The Mining Tournal

AND COMMERCIAL GAZETTE.

No. 21. Vol. 2.

LONDON, SATURDAY, JANUARY 16, 1836.

Price 7d.

ON SALE.—At the Office of CHARLES MANN, Stock and Share Broker, 7, Old Broad-street. Shares in several of the best Mining Companies of Cornwall that are now divid-

g profits.

Shares in the Iron Railways, Gas, Fire, and Life Insurance Companies, &c. &c. Likewise United States' Stocks and Hank Shares, that are now paying a divident to per Cent.

BISSOF BRIDGE MINING ASSOCIATION.

THE SHAREHOLDERS are hereby informed, that the payment of the third instalment of \$\mathscr{\varepsilon}\$ per Share, due on the 38th inst., is further postponed to the 29th of February, next.

BAXENDALE, TATHAM, UPTON, and JOHNSON.

7. Great Winchester-street, 15th Jan. 1836.

COLOMBIAN MINING ASSOCIATION.

THE ELEVENTH GENERAL ANNUAL MEETING of the Pro-prietors of this Association will be held at the Office of the Association, on Wednesday, the 3rd day of February, next, at one o'clock precisely. JOHN CHAPMAN, Sec.

3, Freeman's-court, Cornhill, 7th January, 1836.

TO MINING COMPANIES, AGENTS, AND OTHERS.

PERSON respectably connected, who has been accustomed to the Management of Mines, and Assaying of Ores for upwards of 20 years, is desof a situation as Secretary or Manager, or to Inspect, Dial, Pian, and ro m Mines, either at home or abroad. For testimonials of character and y, apply by letter (post paid) to Mr. Dean, 248, High Holborn, London.

TREVORGUS SILVER, COPPER, and MINING COMPANY.—
The Directors hereby give notice of a CALL upon the Shareholders of 16s per share, to be paid at Sir Charles Price, Bart., and Co.'s, King William-street dansion-house, London, on or before the 33rd day of January next, or the share will be liable to forfeiture according to the terms and conditions of the Company R will be necessary for the bankers receipt, together with the scrip certificates to be left at the office for two days, that the payment may be duly certified.—I Lawrence-lane, Cheapside, 32d December, 1833.

The highly satisfactory Reports from the Mines may be inspected at the office.

MOUNTS BAY SILVER-LEAD, COPPER, AND TIN MINES,

A PPLICATIONS for SHARES in this COMPANY, addressed to C. R. ROBERTS, Secretary, 7, Gray's-inn-square, London, (post paid) where Prospectuses may be had.

ROYAL COBRE MINING ASSOCIATION.

23d December 1835,

OTICE is hereby given, that all holders of Shares in the above a Dividend of Thirty-two Shillings per Share, on application at the house of Si James Esdaile & Co., Lombard-street, on and after the 25th day of January next, between the house of twelve and two.

By order of the Court of Directors,

W. LECKIE, Sec.

UNITED KENWYN and KEA MINING COMPANY. Capita #25,008, in 5,000 Shares of #5 each.

DIRECTORS.

Walter Hall, Esq.

John Macdonnell, Esq.

John Macdonnell, Esq.

Bankers—Messrs. Sir Charles Price, Bart, and Co.

Solicitors—Messrs. Baxendale, Tatham, Upton, and Johnson.

The Mine called Wheal Daniel is situated in the parish of Kenwyn, about five miles west of Truro; it is bounded on the east by the parish of Ken, and contains several well known valuable and very productive Lodes of Tin and Copper, which have aiready yielded, in the adjoining Mine to the westward, cres to the value of more than haif a million sterling. It is now proposed to unite with another valuable and extensive grant of mining ground, immediately adjoining the Wheal Daniel on the east, and into which the same lodes are known to rou, and of which, as well as of Wheal Daniel, leases have been newly granted, at reduced and moderate dues, for twenty-one years.

So much has been done by former proprietors in cutting the above adits, sinking shafts, and driving a deep level or cross cut to within a few fathoms of cutting the lode, that the advantages which so many preparatory works must offer to any new Company of Proprietors are obvious, both in respect to the saving of time and capital, as well as to the prospect of an early and handsome remuneration to those who may embark in the undertaking.

The contemplated extension of the brameh rail-road (already provided for in the act of parliament) to Chacewater, about one mile and a half from the mines, will ensure a supply of coals, lime, timber, and other requisites, upon very reduced terms.

In order to work these Mines effectually, it is proposed to form a Company, con-

act or parameter.

ensure a supply of coals, lime, timber, and other requisites, supply of coals, lime, timber, and other requisites.

In order to work these Mines effectually, it is proposed to form a Company, containing of 5000 shares of 31. each, to be held upon the following conditions:

One pound per share to be paid on the allotment of the shares, and 10s. per share of the 11th July, 1836.

And should any further sum be required, it will be raised by calls of 10s. each, of which one month's notice will be given in two Cornish and two London newstances.

apers.

Application for shares may be made to Messrs. Baxendale, Tatham, Upton, and ohnson, Great Winchester-street.

REDMOOR CONSOLIDATED MINING COMPANY.

THE PROPRIETORS of SHARES in this Company who have omitted to pay the last call made by the Managers of 100. per Share, are reminded that all Shares so unpaid upon, have become, and are now subject to for feiture. And Notice is hereby given that all Shares upon which such call shall remain unpaid on the 31st day of January inst. will then be absolutely forfeited.

By Order of the Managers,

R. THOMAS, Sec.

1, Cushion Court, Broad Street, Jan. 13, 1836.

MOUNTS BAY SILVER, LEAD, COPPER, and TIN MINES -At a MEETING, held the 12th day of January, 1836, at the Imperia

At a MEETING, held the 12th day of January, 1890, at the insperse Coffeebouse, Bucklersbury.

JOHN TUCKER, Esq., in the chair.

Present:—Wm. Law, Esq.; Charles Malton, Esq.; Arthur Woolf, Esq. the Rev. D. Davies, A.M.; Messrs, Hayward, Joseph Gray, John Williams, Thomas Hill, Caleb Cragg, C. R. Roberts, J. Croft, R. Williams, and A. Bennett.

Mr. Bennett having stated the object of the Meeting,

It was resolved, That a Provisional Committee, to consist of p gentlemen, viz.

Wm. Law, Esq., Chas. Malton, Esq., A. Woolf, Esq., the Rev. D. Davies, A.M.,

Messrs. R. D. Hayward, Joseph Gray, John Williams, Thos. Hill, and Caleb Cragg,
abould be immediately formed for the purpose of acting on behalf of the Company;

until the first general meeting. should be immediately formed for the purpose or acting on benant or the company, and the first general meeting.

Resolved, That Messrs. Rogers, Towgood, and Co., be appointed bankers to the

nly. slved, That Mr. Charles Richard Roberts be appointed secretary and trea-

rer to the Company pro tem.

Resolved, That Mr. Absalom Bennett be appointed manager of the mines.

Resolved, That the Provisional Committee, or any two of them, shall be at serry to give such directions to the Secretary, Treasurer, and Manager, as may necessary, in reference to the working of the mines, as well as to the general

Resolved, That this Meeting do adjourn until this day month, for the purpose of Resolved, That this Meeting do adjourn until this day month, for the purpose of Resolved, That the Meeting subject to any alteration which the Provisional Committee,

appointing Directors, subject to any alteration which the Provisional Commit or any two of them, may in the meantime think it necessary to suggest.

PROVISIONAL COMMITTEES.

R. D. Hayward

JOHN TUCKER, Chairman.

Thomas Hill

Joseph Gray

Charles Malton

D. Davies

A. Woolf, Engineer

John Williams Law

N. B. Scripa are ready to be exchanged for bankers' receipts for the amous the deposits, or on payment of the same at my office, between the hours of 11 3, until the lat day of Pebruary next, after which no further applications shares can be received.

until the life to a control of the large can be received.

CHAS. B. ROBERTS, Secretary and Treasurer, pro tem,

7, Gray's-inn-square.

CORNWALL—CAUTION TO MINERS AND MINE ADVENTURERS.

WHEREAS the Duke of Buckingham and Chandos is the SOLE HEREAS the Duke of Buckingham and Chandes is the SOLE PEROPRIETOR of the MINERALS in and throughout the Mance of St. Perran, commonly called "the CHURCH LANDS," within which are CARN-KIEFS, THE SANDS, GEAR, &c., situate in the Parish of Perranzabuloe, I bereby cantion all persons from negotiating with, or accepting any lemme or out from, any other person than myself, or such other as may be duly deputed by the said Duke. And I further caution all persons from interfering with or working any Misso or Misses within any part of the said Manor, without having first obtained legal permission from me, or such other person as aforesaid.

St. Mawes, Jan. 4, 1836.

VALUABLE MINE SHARES FOR SALE

1.96th in Tresavean, situate in Gwennes.
2 lesth in Wheal Crofy, Long Ces and Dunless, in Illogan.
3-lesth in Wheal Jewels, in Gwenness.
1-6ath in Wheal Bassitt, in Illogan.
1-189th in East Poole, in Illogan.
Application to be made to Mr. MANN, Stock and Share Broker, 7. Old Brot

CHESTER, WREXHAM, and RUABON RAILWAY COMPANY Distance of the Line of Railway less than 30 mlms. To be Incorporated by act of Parliament.

Parliament.
Capital #350,000, in 7,000 shares of #50 each. Deposit #2 per
DIRECTORS. Sir Felix Agar
Albert W. Beetham, Esq., F.R.S.
John Campbell, Esq.
Edward Goslin, Esq.
William Moseicy, L.L.D.
The Hon. Y. W. Mulline, M.P.
Sir William Rawlins, Knight
William flybrow, Esq.
With power to add to their number, to be resident at thester and Wrexham.
Bankers—Messrs. Whitmore, Wells, and Whitmore.
Applications for the remaining shares to be made by letter, post paid, to Francis Beetham, Esq., Solicitor, s. Chatham-place, Blackfriars, of whom prospectuses may be obtained.

VATIONAL PNEUMATIC RAILWAY ASSOCIATION.

Samuel Boddington, Esq.

Vice-Admiral Sarturius
Lieutenant-Colonel M. Shawe
William Hessional Biractor
The Directors beg to inform the shareholders that intre measures have been, in progress ever since the formation of the improved system on a full sense. A favourable site has been selected for the purpose between the Hammersmith road and the Thames, and the requisite drawings, plans, and specifications of the works have been prepared under the inspection of the patentee, so that operation may be commenced as soon as tenders can be obtained, and the necessary prelin naries executed.

The Directors confidently expect that the demonstration may be made in the course of the spring, so as to meet the public interect in matters relating to railways, and draw attention to the important improvements which the system involves as soon as possible.

[Signed]
WILLIAM TIJO 5, Clerk to the Association.

Office, 22, Cornhill, Jan. 11, 1836.

GLASGOW, PAISLEY, AND GREENOCK RAILWAY.

A Ta PUBLIC MEETING, held in Greeneck, on the 28th ult.:—
WILLIAM MACFIE, Esq., of Langhouse, Provisit of Greeneck, in the chair.
It was unanimously agreed, on the motion of Sir Michael Shaw Stewart, Bart.
M.P.,—That the formation of a railway between Gias row and Greeneck, to communicate with Paisley, Johnstone, and Port Glasgow, will be productive of the most important advantages to the agricultural, ecomorcial, and manufacturing interests of the country in general, and cannot fall to afford an ample return to the subscriptors.

the subscribers. Or forming a Joint Stock Company were immediately taken, the Measures for forming a Joint Stock Company were immediately taken, the April Stock of which to be, in the first instance, 2020,000, divided into 10,000 shares, and such are the evident advantages of the indertaking, arising from the commercial and manufacturing importance of the forms which the line, not exceeding 25 miles, is to connect, in addition to the sich mineral district, and the continued dense and industrious population through which it will pass, that more than one-half of the shares were immediately applied for on the spot.

A Provisional Committee has been appointed, with have directed surveys to be made, and who will publish a detailed prospectus at soon as possible, meanwhile

A Provisional Committee has been appointed made, and who will publish a detailed prospect all applications for the fremaining shares must Clerk, Greenock. Greenock, Jan. 8.

TO BE SOLD by private Contract, the Fee Simple and Inheritance of and in all that CAPITAL BARTON and FARM, comprising two Tensements called Tregree and Little Bohithick, situate in the several Parishes of Alterson and St. Cleather, in the county of Cornwall, now and for many years last past in the occupation of Mr. Richard Northey, consisting of a convenient Farm House, with Barns, Stables, and other suitable Outhousea; also 120 Acres of Arable, Meadow, and Pasture Land, and about 180 Acres of Common and Barsh Counts of Mr. Richard about 180 Acres of Common and Barsh Counts of 180, per annum; have lately undergone a thorough repair, and are well, supplied with water, and possess the advantages of good Tada, seedlient markets, and great facilities of communication with all parts of see kingdom, being only about one mile from Five Lane; through which the mail and other coaches pass daily, and within convenient distances of Launceston and several other market towns; and in all probability the great Bodmin and Wadebridge Rail Road will be extended to its immediate neighbourhood. This property offers great inducements to gentlemen of capital, as afording an opportunity for safe investment, and more especially to gentlemen disposed to embark in mining speculations, as there are several Lodes of Tin, Copper, Manganese, and other metals intersecting and running through the lands; and a stream work has lately been commenced by a most respectable company of adventurers, which, from discoveries afready made, promises considerable profit to the properties, who will part with the whole or a moiety of the minerals as may be most agreeable to a purchaser. For a view of the property apply to the tenant, and for further information to Mr. Thomas Rogers, Solicitor, Helston, Cornwall.—Dated 34th Dec. 1885.—N.B. All Letters must be post-paid.

JUST PUBLISHED, IN 4to. WITH FOUR PLATES, PRICE 14,

JUST PUBLISHED, IN 4to. WITH FOUR PLATES, PRICE 14s.

THE PHILOSOPHICAL TRANSACTIONS of the ROYAL SOCLETY of London, for the Year 1835, Part II. containing the following Papers:—Sir Charles Bell's continuation of the Paper on the Relations between the
Nerves of Motion and of Sensation, and the Brain; and more particularly on the
Structure of the Medulla obiongsta and the Spinal Marrow. 2. Prof. Faraday's
Teuth Series of Experimental Researches in Electricity. 3. Mr. Lubbock, Discussions of Tide. Observations made at Liverpool. 4. Mr. John Edward Gray's Remarks on the difficulty of distinguishing certain Genera- of Testaceous Mollusca
by their Shells, and on the anomalies in regard to Habitation observed in certain
Species. 5. Mr. J. O. Westwood, on the supposed esistence of Metamorphoses in
the Crustacea. 6. Rev. J. Farquisarson, oa the fee, formed under peculiar circumstances, at the bottom of running Water. 7. Dr. W. Stevens's observations on
the Theory of Respiration. 8. Mr. J. V. Thompson, discovery of the Metamorphosis in the second type of Cirripedes, viz. the Lepadea, completing the Natural
History of these singuisar Animals, and confirming their affinity with the Crustacea.
9. Mr. J. V. Thompson, on the Double Metamorphosis in the Decapodous
Crustacea, exemplified in Cancer Memas, Linn. Meteorological Journal, January
to June 1835.

Picet-street; where also may be had:—
Abstracts of the Papers Printed in the Philosophical Transactions
2 vols. 8vo. 15s.; or 2 vols. 4to. 30s.

WHEAL FALMOUTH CONSOLIDATED MINING COMPANY.
Capital £19,000, in 10,000 Shares, of £5 each.—Deposit £1 per Share.

in 16,000 Shares, of \$\alpha\$5 cach.—
 PROVISIONAL COMMITTEE.

PROVISIONAL COMMITTEE.

Messra. Vice, Buynard, and Treloar.

With power to add to their number.

BANKERS.

LONDOW—Sir R. Carr Glyn, Hollifax, Mills, and Co.
Tavno—Messra. Magor, Turner, and Magor.

The Sets belonging to this Company lie cast, and adjoining the Consolidated lines, in Gwennap.

A Prospectus, setting forth the particulars of the Sets, and the regulations by rhich the Company is to be governed, will be shortly issued.

Applications for Shares to be made to the Committee as above, or to Mr. Tune.

LANDED AND MINING INTERESTS.

A T a GENERAL MEETING of Landowners, Miners, and others concerned, held at the Hotel, Truro, December 39, 1835,
It was Resolved,

Heres Reselved,
That the humble and grateful thanks of this meeting be presented to his Majesty,
the King, for the letter now read, as received by the Earl of Falmouth from the
Commissioners for managing the affairs of the Duchy of Cornwall, and for the intimation therein conveyed, that as an act of great treards thense who had appealed
to his Majesty in their Memorial, presented by Lord Falmouth, and relating to
claims made by certain lessees of the Duchy Miserais, his Majesty will be graciously
pleased to give His Royal Assent to the passing of an Act through Parliament for
placing the Duchy upon the same footing in regard to the limitation of time as that
in which the town was placed by the Nallum Tempus Act, passed in the reign of
King George the Third.
That the foregoing resolution be transmitted by the Chairman to the Commissioners for managing the affairs of the Duchy, in order that the earliest opportumitty may be taken for laying it before his Majesty the King, and that an humble
Aldrens, in accordance with the same, be presented to his Majesty, by the Earl of
Falmouth in person, at his earliest convenience.

(Righed)

FALMOUTH, Chairman.

FALMOUTH, Chairman.

The Earl of Palmouth having 100 the Chair,

Renford,
That the thanks of this Morting be offered to the Earl of Palmouthet in the Chair, and the zeal and attention which he has be business now before the Meeting to a second

TO CAPITALISTS DESIROUS OF EMBARKING IN THE MANUFACTURE OF IRON.

THE PROPRIETOR of a Mineral Estate, abounding in veins Coal of the best bitumonu quality, and in seems and beds of from O wishes to engage the attention of a Capitalist who might be induced to establish from Works thereon. The favourable situation of this property, with reference its facility of communication with a fourishing and improving less Port Tow its inexhaustible resources of Coal and Iron strata, which are level, free, and co sequently workable at a trifling expense; the water power which it command together with its other local advantages, render it the most eligible size for it erection of Iron Works, which the rapidly encreasing manufacturing district in vicinity can present, and affords the most flattering prospects to a Company, or a Gentleman possessed of moderate capital, of proving a highly profitable undertaking.

Archaing.

An inspection of Maps, Sections, Engineers' Roports, and other parti-may be obtained on application on letter, post paid, to the Proprietor, add R. S., Garraway's Coffee-house, Cornhill.

PAMILY ENDOWMENT SOCIETY, for granting, at or after it time of Marriage, ENDOWMENTS to the CHILDREN who may be

Office (temporary), 35, Grest Winchester-street. CAPITAL, #300,000.

St. Leger Grenfell, Esq. Martin Tucker Smith, Esq.

Martin Tucker Smith, Esq.

Henry George Ward, Esq., M.P., Chairman,
George Aifred Muskett, Esq., Deputy Chairman,
In Hotterworth Bayley, Esq., Edward Lee, Esq.,
Fuller, Esq., Major John Luard,
Thomas Willis Muskett, Esq.,
Blacet David Colvin, Esq., Riversdale William Grenfell, Esq.,
Wilsam Sharman Crawford, Esq., M.P.,
Bankers—Bir James Escalle and Co.
Physician—Dr. Roget, F R.S.
Surgeon—Edward Cock, Esq.,
Solicitors—Mesars, Lacy and Bridge.

This Society undertakes to pay to all the future children of any given may from the eldest to the youngest) left, each, or any smaller of larger sum a upon, on their severally attaining a specified age (such, for instance, as 14 years of age), on condition of receiving a present sum of money, or an annus mium, payable during any number of years not exceeding the age of endow and dependent upon the life of one or both parents, at their option.

of the Hus- band.	Age of the Wife.	Cen Der	se i	or To	emium, to fusband's after the ymest.
24	10	4.		d. 10	288
95	21	17		10	Bad
. 31	25	16			902
36	80	14	7		588
48	35	13	11		223
89	40	10	18		265

The premiums may also be computed to cease in the event of the death of the mother, or of either of the two parents who might die first.

The premiums for endowing future boys only, or future girls only, are rather more than one half of those for all children.

The premiums payable during 33 years for endowing future children at 21 years of age, are somewhat less than two-thirds of those in the above table.

The premiums for endowing existing children are made returnable if desired in case they do not attain the age of endowment.

The parties endowing future children will be entitled to four-fifths of the profits, the above premiums being more than sufficient to enable the fuciety to nifft its engagements.

CORNWALL GREAT UNITED MINES. - 6,000 shares & £12 per

CORNWALL Grand Very to the Prospectus.

The Public are requested to refer to the Prospectus.

The Public are requested to refer to the Prospectus.

The property of this Company comprises Greenbills, Shilistone, Prosper, Clamazconb, and contiguous proved and valuable mines near Callington and Liebeard. Blue Hills, embracing the continuation and the underlay of the rich Puberou and Wheal Kitty lodes in St. Agnes.

The well ascertained lodes in Crowgie, Latie, and other estates in the neighbourhood of Ruby and Garikina Mines, in the parish of Wendron.

Applications for Prospectuses and Shares are to be made to James Trower Bullock, Eq., 6, John-street, Adelphi, or to Mr. T. V. Williams, at the Office of the Company, where plans may be seen, and other particulars obtained.

BRITISH SILVER-LEAD and COPPER MINING COMPANY.
Capital 120,000f., in 15,000 Shares of 10f. each. Deposit 3f. per Share.

Capital 120,000 f., in 13,000 Shares of 10 f. each. Deposit 3f. per Share.

DIRECTORS.

W. Millett Thomas, Esq., London.
John Waller, Esq., London.
Edward Suter, Esq., London.

Edward Suter, Esq., London.

With power to add two Directors for Liverpool and Manchester,
London Bankers—Sir Join Lubbock, Bart. and Co.
Liverpool Bankers—Northern and Central Bank of England.

Truro Bankers—Messrs. Willyams and Co. (Miner's Bank).

Solicitor—Edward Tribe, Esq., s6, Great Russel Street, Bloomsbury, London,
Sectretary—Mr. Henry Tribe, 50, Old Broad-effred, London.
Agent for Liverpool, Manchester, and Preston—Mr. Henry Lucas, 3f, Canningplace, Liverpool.

Cashier and Purser at the Mioss—P. Vyvyan Robinson, Esq., of Nansine, Heiston,
Cornwall.

These Mines are situated at Toricaven, in the immediate vicinity of Porthleaven

Cashier and Purser at the Mines—P. Vyvyan Robinson, Req., of Nansioe, Heiston, Cornwall.

These Mines are situated at Torleaven, in the immediate vicinity of Porthleaven Harbour, in the parish of Smithney, Mount's Hay, Cornwall.

It may be asserted, without heaistation, that these Mines will prove as abundant and profitable for filiver-lead and Copper as any in the West of England, being upwards of lose fathous in length on the course of the locks, and 47 fathous in breadth, with twelve shafts ready for working, one of which is 60 fathous in depth below the still level.

The lodes which they contain, having been satisfactorily traced, are of the largest size and of the productive character.

The Penrose lode is said by Borakass, in his "Natural History of Cornwall," published 1756, page 216, to have been wrought upwards of soe years, and as late as 1830, when the work was suspended on account of the low price of lead (16, per ton of 25 cevt.) and the heavy dues, (one-twelfth paid to the Lord of the Massor) the vein of lead produced, in many instances, as much as 11 tons of ore per fathom, leaving at the bottom of the shaft a very rich course of lead one 8% future worksings. The price of lead is now 1st. 2s. 6d, per ton of 2s cevt., and the assay of ore from these Mines is from 2s to sounces of filter in the ton. The Whesi Pablic and Treworvas Copper lodes, which traverse these Mines greatly enhance their value, the latter lode, Treworvas, is now realising a large profit, at a short distance from the British Silver Lead Mines.

There is a large quantity of the whole ground, above 50 fathouss levsl, which can be immediately opened with great facility and profit.

The tenure of the chief part is a 21 years leade from November last, paying to the Lord of the Manor, the Rev. Canon Rogers, one twenty-fourth dues, till such time as the outlay for costs be repaid to the Company by the sale of produce, and then one twentieth permanently, free of all parochial and other raise and local taxes; a few inclosures on the esta

REGULATIONS.

The Capital of the Company is to be 130,0001, in 13,000 shares of 101 each. The first instalment of 21 per share to be paid to either of the bankers by the ine fixed in the letter of appropriation.

No further instalment will be called for without one month's notice, and not to

time fixed in the letter of appropriation.

No further instalment will be called fix without one mouth's notice, and not to exceed LL per share.

Two hundred chares to be the qualification of a director.

The shares will be to hoars signed by two directors and the occretary. A register will be hept to record to whom the chares are first issued, and faw transfers, it required by the holders.

The original reports from the mines, together with the houle of the Company, will always be open for the inspection of the shareholders.

That all the contracts for purchases by the Company he for ready money, in order to except the shareholders from any liability beyond the amount of their subscriptions plot by.

A Concern Meeting of the chareholders to be held in London or Liverpoot, in the mouth of April in each year, commencing in 127, or which a full report of the Company will be submitted, with a statement of the societies.

That at all meetings of chareholders a proprietor of a shareholders than 16, shall have twot; of 10 share and issue than 10, a votes; of 5 shares, the lines than 16, a votes; of 5 shares and upwards, 6 votes.

An antignment of the leases of the mines is made, by the directors, as transcent of the chares and the shareholders, a policestions for shares to be made to the Suprement of the directors, as transcent of the chares and the shareholders, Applications for shares to be made to the Suprement of the directors, as transcent of the chares to the Suprement of the chares of the mines is made, by the directors, as transcent of the chares to the Suprement of the directors, as transcent of the chares to the Suprement of the Company.

RIO DE ANORI GOLD STREAM-WORKS COMPANY.

RIO DE ANORI GOLD STREAM-WORKS CORREST OF STATE AND THE CONTROLL OF STATE AND THE CONTROL OF STA

COUTHEND RAILWAY, in continuation of the Blackwall Railway

Capital #386,000, divided into 6,000 shares of £30 each: deposit of £7 10s. blare.

als line is adopted with the view of continuing the London and Blackwall rail.

as an in inlet into the metropolis through Barking, Dagenham, Rainham,

"ys, Hole Haven, Leigh, to Southend, with branches to Hford, Purflect, Rom
"Tilbury Fort, Mucking, Rochford, and other trading places on the line. The distance by land to Southend is 44 miles, by the railway it will be 34,

sed. The distance by land to Southend is 44 miles, by the railway it will be isereby saving 10 miles.

The objects of this railway are not founded upon speculation, but upon the ercourse that already exists between the trading towns on the line, and for loving the very fertile country of Essex, atting fully the objects of the und king, to be made to the bankers, Messrs. Ladbrokes, Kingscote, and Co., Bauldings, to Messrs. Sparrow and Co., bankers, Chelmsford, James Lambsen, Barking, to the solicitor, Thomas Brown, Esq., 11, Mark-lane, Fender, ercetary, at the Railway-offices, 11, Mark-lane, which will be submitted to irrectors for their approbation and allotment.

G. COLE, Sec. Railway offices, 11, Mark-lane.

G. COLE, Sec. G. COLE, Sec.

VALUABLE SHARES IN SOUTH ROSKEAR COPPER MINE. FOR SALE, NEAR CAMBORNE, CORNWALL

TO be peremptorily sold by Auction, THREE FIFTY-EIGHT PARTS or SHARES, of and in all that very valuable and most productive Copper Mine, called or known by the name of South Roskear, situate in the parish of Camborne, in the county of Cornwall; and of and in all erections, buildings, tools, engines, whims, kibbles, ropes, and other machinery on the said mine. For sale whereof an auction will be held at Andrew's Hotel, in Redruth, in the county of Cornwall, on Friday, the 29th day of January next, at 2 o'clock in the afternoon. For viewing the said mine apply thereon, and any further information respecting the same may be obtained on application to the purser thereof, or to Mr. Christopher Wallis, solicitor, Bodmin; or Mr. James Husband, solicitor, Alliance Life and Pire Assurance Office, Devonport.

WHEAL GILBERT TIN AND COPPER MINING COMPANY.

Capital #15,000., in 6,000 Shares, of #2: 16s. each. Deposit #1. per MANAGING COMMITTEE. John P. Magor, Esq., Chairman. Mr. Baynard, Mr. Treatrail, Mr. Treatrail, Mr. Treatrail,

John P. Magor, Esq., Chairman.
Mr. Baynard,
Mr. Baynard,
Mr. Trestrail,
Mr. Com.
Bankers—Messrs. Glyn, Halifax, Mills, and Co., London.
Messrs. Magor. Turner, and Magor, Truno.
The sets belonging to this Company are Wheal Gilbert, Nanjenkin, and Trescow, itsuste in the parishes of St. Erth and Breage, in the County of Cornwall.
Applications for Shares may be made to Messrs. John and Henry Hore, 1s, opthall Court, Throgmorton Street, London; to Mr. Grylls, Ticketing Paper office, Redruth; or to Messrs. W. Trenery and Son, Mining Office, of the same lace, for a few days, (if by letter, post paid), of whom prospectuses may be obtained.
January 6, 1836.

WHEALS HARMONY and MONTAGUE CONSOLIDATED COP PER and TIN MINING COMPANY.

THE DIRECTORS impressed with a conviction of the great value of these Mines, feel it a duty they owe to the numerous applicants for Shares, and the public generally, to submit to them the following extracts from various letters and reports, relative to the past and present state of the Mines, and their

Hist. Direct Torks impressed with a conviction of the great value of these Mines, feet it a duty they over to the noncrous applicants for Shares, and the pathle everelly, to submit to them the following extracts from various letters and reports, relative to the past and present state of the Mines, and their future prospects:

"Wheal Harmony was originally taken up by a party who determined upon working a large hard and uncongenial tin lode or vein, against the opinion of the miners and others in the neighbourhood, who advised him that there were many other veins both of tin or copper in the sett or mine, which though smaller, would produce more ore, and be sure to be profitable in depth, but regardless of repeated grown or the smaller of the produce of a galosis. His funds nearly exhausted, without any chance of reimbursement from the great/lock, he made cross cuts into some of the smaller iodes ashe had before been recommended to do; in two years he repaid all his outlay, and the quantity of the sold monthly largely increased, by which time one of the copper locks was also brought into profitable production, and the mine was not only giving profits, but in that state that there was no kind of doubt of its being one of the most profitable in the county. But he having incurred many thousand pounds dobt, suddenly left the country, and the mine was necessarily suspended. About two reary previously reported to the country of t

Subjective, but can only state from reports of the natures who formerly worked in heigh they say—the lodes are large and promising, we find at 4 at Harmony but are several parallel or site index to the south, that have had little or no trial, from the appearance of them at this level, we have no doubt, if worked on effic-ually, they will prove as productive, and make the mines as preditable as they sere in the last working; we cannot calculate on having much good done on the dicked until the curious shafts are such deeper; we find at Great Tolgus Mine, which is on the same lockes, and stipious sets to the west, that by sinking from the so fathom level to the 12s, the locker proved to be much larger, richer, and more routilable than they were at the levels above, therefore, as Harmony is only down at the 2s, and Montague to the 2s, there is every reason to believe, if these mines we such as deep as Great Tolgus is, that they will prove equally productive and routilable as that mine.

PRTER WILLOUGHBY, THOMAS CARTREW."

There is now about two years and a half unexpired of the original grant, which has been contracted for by the Directors of the present Company, together with all the machinery, pit work, pumps, whims, &c., and a new grant for twenty-one years has been obtained from the lords of Treicigh, commencing from the termination of the existing lease, which documents may be inspected at the office of the Company, also Grylla' authentic list of the copper ores sold from these naines, which the Director's pressume will be sufficient proof the past, and the fact, that the proprietors of the Great Tulgus Mine (which is immediately adjoining Wheal Montague to the west), are more sinking a shaff to take the lode at the fact which is a yet only if fathous deep, and has raised very much more ore than Tulgus did at that depth, the lodes or veins being the same.

From the above statements and the concurring testimonials of numerous other parties, as to the great value of these mines, and the advantage that it is expected will result from efficient working, the Directors feel justified in recommending them to the favourable at tenties of the public.

C. F. KilkMAN, &c.

19, Elag's Arms Yard, Culeman Street, London, Dec. 31, 1935.

MEDITERANEAN and LEVANT STEAM PACKET COMPANY At a General Meeting of the Directors of the said Company, held on with instant, it was resolved,—That notice should be given to the Shareholder apply at the office of rhe Company, between the 18th and 30ch of January mand they are hereby requested to leave the number of shares they claim upon, to apply three days afterwards for the amount to be refunded, particulars of wh may be obtained at the office,

7, Angel-court, Throgmorton-street, Dec. 31, 1835.

TO FOUNDERS and ENGINEERS .- The Directors of the SOUTH POLIGOOTH TIN and COPPER MINING COMPANY are ready to receive the Mine, near St. AUSTLE, in the country of Cornwall, and to be delivered the Mine, near St. AUSTLE, in the country of Cornwall, and to be erected the Company's Engineer. Specification and other particulars may be had at to Office of the Company, and tenders will be received till the list day of January, 20, Hasinghall-street.

R. N. PADDON, Sec.

Will be ready for Sale early in January,

Dedicated to the Chemical Professors of the United Kingdo

In a handsome Mahogany Chest, 61. 6s.

NEW CHEMICAL CABINET, or Amateur's Laboratory (by R. B. Ede, Her Majesty's Appointed Chemist), comprising an organized A NEW CHEMICAL CABINET, or Amateur's Laboratory R. B. Ede, Her Majesty's Appointed Chemist), comprising an organ collection of 130 Chemical Tests, Re-Agents, and best contrived modern Apptas, calculated for the Student, the Proficient, the Druggist, the Dyer, the salter, the Physician, the Manufacturer, the Mineralogist, and the Amateur, adapted for the performance of refined Experiments of demonstration and resi na ny Drawing Room, with ease, safety, and success.—Abspipe Apparatus, one w principle, containing above 29 essential requisites for assaying Minerals, assisting Geological inquiries; in a neat japanned case only 7½ by 3½ in Price 21c, being the cheapest and most complete Portable Pocket Laboratory offered for Sale.—May be seen at many, and procured of all the Agents for his known and approved

offered for Sale.—May be seen at many, the sale of the

ey, Two Guineas. Butler, 4, Cheapside, and Williams and Haydon, Aldermanbury.

Just published, price 2s. 6d.

THE WALLS-END MINER. By James Everett, Author of the

Willage Blacksmith.

William Crister's Narrative, in the hands of Mr. Everett, is both interesting and instructive; and we are much mistaken if this small volume does not obtain a more extensive circulation, and make a deeper impression, than the author has ventured to anticipate. It is well written, and we sincerely recommend it.—Nawcastle Courant.

TO be SOLD by Mr. GRYLLS, Redruth, the following SHARES in Mines, (all letters to be post-paid.)

to be post-paid.)
One 192d in Tresavean.
One 64th in Wheal Tolgus.
One 94th in East Wheal Crofty.
One 128th in East Pool.
Two 60ths in Wheal Ellen.
Two 128ths in Bossulian.

TOWEDTEAGUE MINING COMPANY.

To the Editor of the Mining Journal.

Sin,—Until this moment my engagements have prevented my stating, that the publicity given to this affair has very much annoyed me; not as regards my conduct in the matter, but from a reluctance to be thrust upon public attention, and an apprehension that strangers may suppose that I either arranged, or was informed, of the course my friends (perhaps with less judgment than kindness) intended to adopt, to obtain a return of the small sum at the banker's. I had nothing whatever to do with their arrangements, directly or indirectly, nor had I any intimation or knowledge of the meeting uptil the following Sunday's nost. It would be a tedious of the meeting until the following Sunday's post. It would be a tedious encroachment on your Journal to enter into any detail of circumstances and the unworthy means pursued to defeat the establishment of the com-pany. The conduct of the directors will have no further notice from me pany. The conduct of the directors will have no further notice from me, than the declaration, that I need not depend upon myself nor friendly shareholders, but on county and other evidence to prove the incorrectness of Capt. Wildey's statements, inserted in your journal. I leave the diexpensive enough. As there can be no question of the eligibility of the mines, they will very shortly be resumed. It is with much reluctance I thus obtrude myself on your patience, but convinced that your spirit of equity and impartiality will induce the immediate insertion of this note, nd impartiality will induce the immediate insertion of the last of

ECONOMY OF STEAM POWER.

To the Editor of the Mining Journal.

Sta-Permit me to inform "A Friend to Scientific Enquiry," whose SIR—Permit me to inform "A Friend to Scientific Enquiry," whose letter you have extracted from the Glasgow Liberator, that there is not an engine at work in Cornwall, in which the expansive action of the steam is obtained in two cylinders, on Mr. Hornblower's (often incorrectly called Mr. Woolf's) plan, nor has there been one for some years. The discoveries in the expansive powers of steam, to which Mr. Wolf long since pretended, were evidently "made at the writing desk;" for the slightest acquaintance with pneumatics is sufficient for one's understanding that if them he expanded to the capacity of the state of the superior that if them he expanded to the superior of the superior that if them he expanded to the superior of t

slightest acquaintance with pneumatics is sufficient for one's understanding that if steam be permitted to expand into 5, 10, 20 or 40 times its original volume (cæteris paribus), its pressure will be reduced respectively to $\frac{1}{2}$, $\frac{1}{12}$, $\frac{1}{2}$, or $\frac{1}{2}$, of that which it at first exerted on the same area. He is incorrect in saying that Mr. Wolf introduced the use of steam of high pressure into this county; for we owe it to Captain Trevithick. Neither is be accurate in remarking that the greater the expansive action, the smaller the actual power; as this of course depends on the initial force of the steam, and the volume into which it is allowed to expand.

and the volume into which it is main, Sir, your very faithful servant,

W. J. HENWOOD.

1, Morrab place, Penzance, Jan. 2, 1836.

A REAL SAFETY LAMP.

To the Editor of the Mining Journal.

Sin,—In my former letter, which you favoured with insertion, I attempted, and I believe not unsuccessfully, to shew that the assertions of the late Committee on "accidents in mines," that Sir H. Dawy was not the first discoverer of the principle of the safety lamp which bears his name, and that he was well aware of its insecurity, were not warranted name, and that he was well aware of its insecurity, were not warranted by the published evidence. I shall now, with your permission, make some remarks on another and very important part of their report, which requires explanation. This it will probably receive, if brought before their notice by your much read Journal. The report states, in plain terms, the objects of their investigation—"ventilation," "safety lamps," and "maps or plans "—and expresses disappointments" the result not having furnished them, as they had hoped, with the means of recommending to the miner a better protection than he had hitherto possessed. It is true, on ventilation nothing further was elicited than that it ought never to be solely pended on for preventing explosions, as it is at best ever liable, even w on the largest and most perfect scale, to be interrupted by the most trif most perfect scale, to be interrupted by the most triffing on the targest and most perfect scare, to be interrupted by the most trining circumstances. Maps or plans appear to be matters of no difficulty, only requiring common attention. On the safety lamp, however, the principal object of the inquiry, there has been made, if the Committee have not said more than they ought, a most important and valuable discovery; for the ignition, and consequent explosion of inflammable air, must be consi-dered, beyond all comparison, the greatest evil attending mining pursuits, and one which has till now resisted all human means. If therefore the and one which has till now reasted an numan means. It increases the Committee have discovered means of preventing this evil, it must be concluded that their labours have been emissently successful, and the result cannot be too generally known, nor too speedily acted on in all the coal and iron districts. On this point the Committee appear to have acted with the most praiseworthy circumspection, the putting to actual and sever trial the safety of all the lamps placed before them during this investiga-tion, thereby taking an uncerting test of the value of the previous evidence trial the safety of an the ramps post-tion, thereby taking an unerring test of the value of the previous evidence: There were, it appears, nine lamps, including Sir H. Davy's, tried on this occasion, only one of which was found to sustain the requisite proof. Of this lamp the Committee speak in the following unqualified terms of ap-probation. "They are therefore decidedly convinced that its construction possesses paramount merit." The improvements are probably those which longer life and additional facts would have induced him (Sir H. Davy) to as desirable, and of which, had he not been

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contemplate as desirable, and of which, had he not been the inventor, is might have been the patron.

That a statement of this nature, on a subject of the first importance to one of the most valuable interests of the community, founded on the est, dence of some of the highest chemical and medical authorities of the present time, and put forth in a report of a parliamentary committee, will be read, as it ought, but in one way, admits of no doubt. Have not the Committee then either said too much on this point, or as yet done too little, in not founding a recommendation upon it! There is a mystery hanging over the report here that ought to be removed. As one whose interests are mainly depending on the safety and success of mining pursuits, I beg to thank you for the zeal and ability you have already shown in the miner's cause.

I remain, Sir, your obedient servant and constant reader,

I remain, Sir, your obedient servant and constant res FAIR PLAY

Jan. 13, 1836.

P.S. The non-appearance of Messrs. Faraday, Ure, and Brande before the Committee was probably not their own faults, but their utter silence on this subject, while the press is open to them, and public attention fixed on them, is unaccountable and most unsatisfactory.

ROBERTS'S SAFETY HOOD OR MOUTH PIECE.

This very useful apparatus has been submitted to the examination of scientific bodies, and received from them distinguished marks of approbation; and the inventor has very justly been rewarded with royal marks of distinction and munificence. We think the discovery entitled to more recorded by the force of the state tion; and the inventor has very justly been revarded with royal marks of distinction and munificence. We think the discovery entitled to more extended notice, and therefore extract that portion of the evidence given before the Parliamentary Commissioners, to report upon "Accidents in Mines," as relating to the origin, construction, and improvement of the

ORIGIN.

Did you meet with accidents from carbonic acid gas while you were in the shaft at Newbottle Colliery! On one occasion I had nearly met with an accident. There were two very large furnaces to draw the foul air out, and to cause a quick current of air to circulate through the works. At this time the fireman, who took care of the furnaces, had, thrown a fresh supply of fuel on them; on descending the shaft, from this circumstance I was nearly suffocated. It struck me at the moment to wrap my jacket round my foca, it hancemed to be very works and they have the stress and when I say the stress is and when I say the say they are the says that the say they are the says they are the says they are the says that they are the says they are the says they are they are they are the says they are th I was nearly suffocated. It struck me at the moment to wrap my jacket round my face; it happened to be very moist, and when I got to the bottom of the shaft I found it was very comfortable, and a sudden change had taken place in the apparent state of the air. Some time after I was thinking over the matter, and it occurred to me that the cause was the woollen and the perspiration with which it was saturated that preserved me in this instance. From trying further experiments in the same shaft, I found it was the woollen which I had moistened with my bettle of water. I turned this matter over in my mind, and was led to make an apparatus to prevent accidents from suffocation, and thus enable the men to work, and to have the use of their hands and eyes in an impure atmosphere.

phere.

Was any instrument for the purpose of furnishing respirable air the result of your consideration !—Yes.

Now will you explain what that instrument is !—It is called a safety-hood, or Roberts's mouth piece. Lord Lindsey, now the Earl of Balcarras, gave it that name.

His Lordship applied that name to it !- Yes.

Will you explain as concisely as possible the nature, the form, and construction of that hood? The hood closes over the head, with two glass goggles for the sight.

Of what is it made!

goggles for the sight.

Of what is it made!—Of wash leather, and stuffed with wool and horsehair, so as to make it pliable round the neck, and prevent any foul air
drawing underneath. From the mouth there is an elastic pipe which
comes a little way down, at the end of which pipe there is a vessel containing lime water (the exeam of lime), or chloride of lime, according to the kind of vapour it might have to meet, or be expected to meet. These solutions are applied in various chemical works, the chloride of lime, cream of lime, soap-lees, even clear water is good. This will take up choke-damp, and many kinds of foul air rapidly, and neutralize them so as to enable a person to remain half a day where another could not otherwise remain two minutes. wise remain tw

Now what is the size of the vessel holding any of those liquid prepara-tions to which you have alluded?—It will hold about 3 quarts; there is some sponge which is filled with it, so that the air shall pass through fine

Is it one solid sponge, or pieces of sponge!—It is immaterial whether

It to les some sponge, or pieces of sponge?—It is immaterial whether the sponge is in one piece or several.

Then the funnel or box in which the sponge is contained, is perforated with holes?—Yes, there are small tubes for the air to go down, and by continually passing it through this solution, the foul parts adhere to the sponge and to the lime.

sponge and to the lime.

Then does the box with the preparation hang from the end of the tube, does it drag along the floor, or is it carried by the man using it?—It is carried with a belt over the shoulder; it hangs down over the side, so that there is no pressure from the neck, like a soldier's belt.

Now is respiration kept up by the men using it with tolerable facility?—Yes; when first invented it was rather difficult. Persons using it could not remain with it more than half an hour at the longest.

And have you improved upon its construction since that time?—Very

And have you improved upon its construction since that time?-Yes:

I have improved it so that a person can work day by day without any inconvenience; it is also on a lighter scale now.

Now have you tried it yourself in carbonic acid gas? I have tried it

myself; where no other person could exist one minute without it I have remained 39 minutes. You apprehend that you have tried it in places where the carbonic acid gas was in such quantities, and so powerful as would immediately extinguish life?—Yes.

IMPROVEMENT.

And you found no difficulty in the experiment?—Some little difficulty

and you round no difficulty in the experiment?—Some little difficulty then; but since I have made a very great improvement in its construction, and should now feel none. The improvement is this, the air which has been respired is not suffered to go back to the small vessel where the good air is separated from the bad; it is thrown out by means of a valve at the front of the mouth, or rather there are two valves, one is to admit a supply of purified air, and the other to pass off the air which has been respired.

Now have you executed this instrument wind is for a little difficulty. ow have you ever had this instrument tried in foul wells?-I have

not been in foul wells.

Have you ever tried it in cases of fires?—I have tried it in cases of fires, so in the mines.

also in the mines.

Has it ever been tried in the case of any fire in this city?—It has been tried by some of the firemen; it has also been tried at the large refining works belonging to Mr. Brown, in Wood street. His men have had three supplies from me, to prevent their inhaling the nitrous acid which arises from driving off the copper from the gold. It is very pernicious when the atmosphere is heavy, or when the furnace does not draw well. In such cases the place is filled with this deleterious vapour, which causes a sensation of coughing, and places the people very often under the doctor's tion of coughing, and places the people very hands, and in the end kills them.

hands, and in the end kills them.

And have Mr. Brown's workmen used this instrument?—Yes.

Did they find any advantage from it?—They found such great advantage, that when I was down at Bolton, in Lancashire, as the hoods were worn out, they applied to my friend, Mr. Upton, for others, he being in London, which I was not. It was necessary to pay them higher wages to work in this place till they got the hoods, as they were frequently very ill from the funer proceeding from the metal. from the fumes proceeding from the metal.

work in this prace thit they got the hoods, as they were frequently very ill from the fumes proceeding from the metal.

Do you mean to say the workmen had constantly made use of your invention!—Yes, and they were wanting it to be renewed. Since then a plan has been brought forward of a platina vessel dissolving gold, over which there is placed a funnel to carry off the fumes. This has enabled Mr. Brown's workmen to do without the hoods, but they are, however, still used in various chemical works in different parts of England.

Then they are now constantly in use on the improved plan!—I have not sent out any on the improved plan as yet.

But you have no doubt it will be found a great improvement whenever it comes to be used!—A very great improvement.

Now, would you hesitate to descend any mine charged with carbonic acid gas after an explosion, provided with this apparatus, to draw out the hodies of the sufferers!—No, I would not.

That is, you have full confidence that you would be able to prosecute your search for any person who has suffered, without risk to yourself!—Yes; I am so confident of it, that if they were in a torpid state I could fetch them out of it were a mine distant.]

Are you aware of your first apparatus being tried in France -Yes.
Where was it tried?—I tried it under the ground on which the Re-

Was that in some sewers, or under ground excavations!—It was in a sewer that had been closed for 37 years.

Had other workmen failed in entering that aperture!—Yes, they had made an attempt 15 years previous.

Did year succeed in entering it!—I succeeded when D'Arey, the great clemist, called in his attempt to enter it, or to enable others to do so. Was the object to cleanse the current!—Yes, and to communicate with other ewers, so that they might make it useful to that part of the city. And by the aid of your instrument was the object obtained!—Yes.

And by the aid of your instrument was the object obtained !—Yes. Since then you have improved upon it considerably !—Yes, very con

ery

derably.

Then you would recommend every mine subject to carbonic acid gas to be provided with your apparatus!—Yes, for fear of accidents from me-phitic air.

itic air. You are familiar with the circumstance which took place at Newbottle You are familiar with the circumstance which took place at Newbottle colliery; are you of opinion that the lives of those individuals who suffered with Mr. Steele might have been saved if your apparatus had been at hand!—Yes, decidedly so; he and the others might have been saved. You do not put any lime into the water when you go into places filled with smoke, do you!—They may put lime, or soap, or soap-lees, or rub the sponge over with soap, and when it is immersed in water it is saturated in a moment. with smoke, do you !-

the sponge over with soap, and when it is infinitely in water it is saidrated in a moment.

What is the price of your apparatus now!—It will be about 4/. complete, 4l. or 5l.; I cannot say to a pound on this new construction.

One was purchased of you at four guineas!—Yes.

Have you had a reward for this invention!—I received 50 guineas from
the Society of Arts, and their large silver medal. His Majesty King
George the Fourth rewarded me with his royal bounty of 1001.

THE MINING COMPANY OF IRELAND.

We have been favoured with the following account of the property of the mining company of Ireland, by Mr. Purdy, secretary to the com-pany, and readily insert it, as, from the details it contains, answers will be found to most of the numerous enquiries which have been put to us

on that subject.]

The reports of the Board of Directors of this Company are made half yearly, on the first Thursday in January and July, the following is the substance of the Board's Report for the half year now ended; premising that the company was formed in the year 1824, at Dublin, under the auspices of the Right Hon. the Chancellor of the Exchequer, (Mr. Spring Rice), who presided at the first meeting of the company, when the capital, £500,000, was subscribed for in half an hour, in 20,000 shares of £25, and of this sum £140,000 has been paid to the treasurers, and applied in opening and working the numerous mines of copper and lead, collieries and slate quarries under lease to the company, as described in the subjoined summary of the board's report.

It appears from the report, that the value of the minerals raised by the company within the half year is £25,620 16s. 6d., which cost, including expense of establishment, £22,254 8s. 4d., leaving a profit of £3,366 8s. 2d., of which £1,824 6s. 5d. has been expended in opening additional mines, and erecting machinery, and the balance is added to the company's capital stock.

In the report is detailed the progress made, and the present prospects at each of the company's concerns—details for which we have not space—and it concludes as follows.

"Here your Board might with propriety conclude their report, but taking into consideration the difficulty experienced by should be a second to the company in the difficulty experienced by should be a second to the company's concerns—details for which we have not space—and it concludes as follows.

and it concludes as follows.

"Here your Board might with propriety conclude their report, but taking into consideration the difficulty experienced by shareholders residing at a distance, in estimating the value of their investment, and the anxiety expressed by several of them for further information relative to the company's affairs than has hitherto been given in half yearly reports, it is thought advisable, on the present occasion, to add a general view of the company's investments under the provisions of their Act of Parliament, and Deed of Association.

company's investments under the provisions of their Act of Parliament, and Doed of Association.

"And first, as regards the Knochmahon copper mines, the most interesting on the present occasion, because the most profitable of the company's concerns. Those mines are held on leases for thirty-one years, with the exception of a part held in perpetuity, at a rent of fice per cent. of the produce. Those leases include all minerals within a tract extending over three miles on the course of the lodes, of which twenty-four have been partially opened and worked by former adventurers. Of those lodes, one only has yet been extensively worked by the company, but all have been found to yield copper and lead ores of superior quality; the average produce of the former exceeding ten per cent. of copper.

"These mines being situated on the coast, the ores are shipped on peculiarly advantageous terms, the freight to Swansea not exceeding 4s. 6d. per ton in summer, or 6s. 6d. in winter. Another important advantage possessed by the company at these mines, arises from the ample

4s. 6d. per ton in summer, or 6s. 6d. in winter. Another important advantage possessed by the company at these mines, arises from the ample water-power obtained, by which means the entire operations at the mines—pumping water, crushing the richer and stamping the poorer ores, and mashing the entire, are performed with economy and dispatch, patent machinery being applied with beneficial effect in the washing department. "The machinery erected for these purposes consists of four water wheels, one of forty feet, one of thirty, one of fifteen, and one of twelve feet diameter; from the first, which is applied to pumping only, the power is conveyed by means of flat rods on the surface, to several shafts at various angles, the most distant shaft being nearly a mile from the wheel —the other wheels are applied to crushing, stamping and washing the ores, the water passing in succession from the thirty feet wheel to the fifteen and twelve, the effective fall of water being forty-eight feet, to obtain which, three water leats or courses have been made, in all nearly twelve miles in length.

twelve miles in length.

"The company's success in working the lode, to which the operation
have been so far principally confined, has induced the board, on the r "The company's success in working the lode, to which the operations have been so far principally confined, has induced the board, on the recommendation of the managing agent at the mines, Capt. Petherick, in whose reports great confidence is placed, to direct that several others shall be opened and extended upon, and three of them have accordingly been spened within the last half-year, and found to yield copper ore of rich quality.

"The Glendalough royalty in which is included Luganure and Hero Lead mines is also an important mineral district, extending over sixty sourse miles of the county of Wicklow, held on lease for thirty-one years, from his Grace the Lord Archbishop of Dublin, at a commuted rent of £92 6s. 2d. per annum. The ores obtained in this district (principally cubical galena, yielding seventy per cent. of lead), are removed, when dressed, to the company's smelting works at Ballycorus, where by means of a water wheel, thirty feet diameter, the lead is rolled into sheets, or drawn into pipes, or is converted into shot as occasion requires, and is then disposed of at the company's warehouse in Dublin.

"The operations at these mines, where sixteen good houses have been built for the accommodation of the persons employed, are performed by means of water power, aided by an adit driven three hundred fathoms into the Luganure mountain, by which one of the lodes has been unwatered to the depth of forty-eight fathoms.

"The collieries in the barony of Slievardagh, under lease to the comquality.

"The Glendalough royalty in which is included Luganure and Here

the depth of forty-eight fathoms.
"The collieries in the barony of Slievardagh, under lease to the c tenth of the produce, extend over several miles of the district, and contain upwards of seven hundred acres of coalfield, in a considerable part of which there are three workable seams. In this district alone the company have occasion to employ steam power, and have five steam engines on different parts of the field, with upwards of fifty good houses for the accommodation of agents and workmen. Levels have also been driven to a considerable extent for unwatering other portions of the coal, and a deep level is in progress which will, in about three years, enable your Board to apply to other purposes of the company two of the steam engines exected, with the pit work connected therewith,

"The coal and culm raised at these collision is collision."

The coal and culm raised at these collieries is sold at remunerating The coal and culm raised at these collieries is sold at remunerating prices at the pits, and from the forward state of the works, and the satisfactory estimates and reports of the manager at the collieries, Mr. Nicholson, your Board has reason to entertain expectations of profit to the company, gradually increasing in amount, from this branch of your

property.

The Killaloe Slate Quarries, held on lease for 31 years at a rent of £300 per annum, form another very important portion of your property, and from the satisfactory state in which the quarries have been placed by liberal expenditure in improvements and machinery, and in making roads and shipping places, together with the improving quality of, and increasing demand for, the slates, your Board anticipates satisfactory returns from the concern, the principal operations being now performed by means of the water wheels erected, one 30 feet, the other 12 feet diameter, ap-

plied in pumping, in raising the slate blocks and rubbish, and in sawing the blocks.

"The remaining concern to be treated of is Glenpatrick Slate Quarry, near Clonnel, held, with 10 acres of land, on lease for 31 years, from Lady Osborne, at a rent of £92 fs. 2d. per annum; for working of which, in the most economical manner, two water-wheels, one of 30 feet, the other 18 feet diameter, receiving the water in succession, are applied in pumping, winding, and the other operations in progress; and your Board have a favourable opinion of the future productiveness of the concern.

"In thus describing the property acquired by you under the direction of your Board of Management, it may be necessary to remind you that, in addition to the concerns enumerated, the company hold leases of several mines not worked at present, which may be opened when prices of metals or other circumstances shall afford sufficient inducement. It may also be advisable to advert to the Company's stock of mineral produce, amounting to £19,927 1s. and to the debt due by Lord Audsey, 210,788 9s. 10d., on mortgage of his estate in the county of Cork; also to several valuable farms and other properties purchased with a view to the more advantageous working of your mines, as set forth in the abstract of accounts presented herewith.

"It is hoped that the foregoing Report and explanation, with the subjoined abstract of accounts, will afford to shareholders the information desired; and that your Board's favorable opinion of the increasing value of your property will receive additional confirmation in the future progress of your works."

N.B.—Messrs. Foster and Braithwaite, 64, Old Broad Street, have charge of the Company's books for transfers in London.

gress of your works."

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IRON WORKS-INTRODUCTION OF THE SPLITTING MILLS INTO ENGLAND

IBON WORKS—INTRODUCTION OF THE SPLITTING MILLS INTO ENGLAND
The founder of the Foley family, who was a fiddler, living near Stourbridge, was often witness of the immense labour and loss of time caused by dividing the rods of iron, peccessary in the process of making nails. The discovery of the process called splitting, in works called splitting-mills, was first made in Sweden, and the consequence of this advance in art were most disastrous to the manufacturers of iron about Stourbridge. Foley the fiddler was shortly missed from his accustomed rounds, and was not again seen for many years. He had mentally resolved to ascertain by what means the process of splitting of bars of iron was accomplished; and, without communicating his intention to a single human being, he proceeded to Hull, and thence, without funds, worked his passage to the Swedish iron port. Arrived in Sweden, he begged and fiddled his way to the iron foundries, where, after a time, he became an universal favorite with the workmen; and from the apparent entire absence of intelligence or any thing like ultimate object, he was received into the works, to every part of which he had access. He took the advantage thus offered, and having stored his memory with observations and all the combinations, he disappeared from amongst his kind friends as he had appeared, no one knew whence or whither. On his return to England he communicated his voyage and its results to Mr. Knight and another person in the neighbourhood, with whom he was associated, and by whom the necessary buildings were erected, and machinery provided. When at length everything was prepared, it was found that the machinery would not act; at all events it did not answer the sole end of its erection—it would not split the bar of iron. Foley disappeared again, and it was concluded that shame and mortification at his failure had driven him away for ever. Not so; again, though somewhat more specially, he found his way to the Swedish ironworks, where he was received most joyfully; and to make sure

MINERAL WEALTH OF SPAIN.

Mines of gold and silver were formerly both numerous and very productive in Spain, but since the discovery of America they have been almost entirely neglected. Gold is still found in the sands of several of the rivers, and silver mines were worked within a very late period, most of them however are now abandoned, owing to want of means for draining off

rivers, and silver mines were worked within a very late period, most of them however are now abandoned, owing to want of means for draining off the water.

The principal mineral wealth of Spain consists in its quicksilver mines at Almaden, situated in the province of La Manche, and which are worked on account of the Crown; indeed, Spain supplies the greater part of the world with this metal, there being no other mines of quicksilver of any consequence, excepting those at Idria in the Austrian dominions. The mines at Almaden have been worked since the earliest period, and still continue very productive; they are situated in a hill of sandstone, and contain three principal veins, one of which is exceedingly rich, giving as much as ten ounces of mercury to the pound of ore. The average quantity of quicksilver raised every year at Almaden is about two millions of pounds weight. The produce of the mine is at present sold under a contract to be delivered in Cadiz, at the rate of 8 52 a quintal, equal to 216 lb. The quantity of quicksilver imported into Great Britain during the last year was upwards of 1½ million of lbs, and of which 650,000 lbs. were exported to Mexico, and round Cape Horn.

The only Copper mines at present worked in Spain, are those situated at Rio Tinto, in the province of Jaen, the ores are said to be rich, although difficult of reduction, being much mixed with iron.

These mines also belong to the Crown, and have latterly been worked under the direction of some Sweedish miners, but from the want of proper encouragement the produce is inconsiderable.

The lead mines at Linarcz, also situated in the province of Jaen, are very rich, and have been worked of late years to a considerable extent, large quantities of lead ores having been sent to England for reduction; from some impediment however the export has latterly ceased altogether.

The province of Biscay abounds with iron mines, the ores are extremely rich, and being free from sulphur are easily annelted, yielding a very soft and malleable iron,

and of very good quality.

The only other metallic produce of Spain worth notice is antimony, which metal there is an extremely rich mine at Mudela, in the Sierri Morena, likewise worked on account of the Crown; the ore is very abun

dant and perfectly pure.

Coal has not hitherto been met with in Spain, but a valuable stratum of jet has been discovered in Aragon. Sulphur occurs in various parts, but particularly in Murcia.

mation of hills and valleys, and the use of the magical rod in dicevering mines:—

"The usual method of historians is to begin with the creation, wher in I might tell you that when God breathed upon the face of the water that was a patrifying "breath, and that such waters as were quiet as hills and mountains, according to the proportion of the billows, and the spaces into valleys, which have ever since continued in their wonderfand pleasant dimensions, the semisard virtures of all subtumary things bein locked up and more durably preserved in them; and yet from thence the are transmitted through terrene poess, either from their cover activate and extractions, into excisus and evisible forms." "Sussuperficial excrescencies, whether vegetable or minerals, do direct it miners in their knowledge of the nature of the metals under them; whis semetimes also is done by the virgula divina or magical rod, being to other than a basel stick cut in a certain season of the stars' aspects, it showing what rare contignity there is between the stars, plants, animal and minerals, as if they were but the soft products of those medituling patrefactions." The same writer then proceeds to a somewhat force interpretation of Adam's history, "of whom," he says, "I might to you that he may be esteemed a miner from the text, where 'tis said the God placed him in paradise, and commanded him to dig or till the early as also a refiner, &c. &c. "The work contains some curious informatio from which the following extracts are made as illustrative of the state mining at that period.

"The adit is from the Latin word aditus, that is to say, an entry

as also a refiser, &c. &c. ." The work contains some corrols internation from which the following extracts are made as illustrative of the state of mining at that period.

"The adit is from the Latin word aditus, that is to say, an entry, passage, or approach to a thing. And this is usually made on the side of the hill, but towards the bottom about 4, 5, or 6 feet high and 8 feet wide, in the nature of an arch, sometimes cut in the rock, and sometimes supported with timber, so that the sole or bottom of this adit may answer the bottom of the shaft, but somewhat lower, so that the water may have sufficient current to pass away, which is exactly known by the ordinary ways of dialling, or the workman's keeping the water at his foot when there is any. And he is directed toward the shaft by a needle touched with a loadstone, the using whereof is called dialling, and by this and other arts the water is conveyed away with more case and less charge than by pumps. And by these adits the fumes, damps, and unwholesome vapours are better dispersed, which otherwise might endanger the miners; but if any of them he surprised with such a damp, so as for the present he may be deprived of his senses, he is drawn up out of the mine, and they dig a little hole in the earth, and lay him on his belly with his mouth to the fresh earth of that hole which speedily recoverath him."

* Evidently an error of the press for petrifying.

· Evidently an error of the press for petrifying.

TRADITIONARY PRAGMENTS OF MINING HISTORY,

BY A CORNISHMAN.

The Pair, or Suber John and Capt. Joe.

The Pair, or Suber John and Capt. Jor.

Char. X.

Captain Joe had searcely time to discover that he had got into the wrong box before his candle was extinguished, and he began to roar lustily for a light. Searcely had be made this demand when crash west the shower both about his head and ears. "Hollon! hollon!" crised he, "I'm used to wet shalls home to Corawall, but how the deuce did I get into one here!" Creals went the shower-bath again, and Captain Joe after a splash and splutter, bawled out "ring, stop the engine." I say!" said he, "ring, stop the engine, I say!" said he, "ring, stop the engine, I say!" said he people were on the landing place, and sober John demanded of his comprede where he was, and what alied him! And Captain Joe begged him most piteously "to ring, stop the engine, or call to the sumpmen to do so." "Ring yourself," said Sober John Lust then Captain Joe, in groping about, had laid held of the string of the shower-bath, and taking it for the bell line, began to ring at fone time, pulling some six or eight gallons of cold water over his person at every stroke, so that there was no longer oceasion for the search agency of Boots or Botty. After ringing in this way some eight or nine times, the reservoir which supplied the bath with water became eshausted, he ceased to ring, and on opening the door, there was the hog-merchant dripping and puffing, and epitteering like any portoise. Un getting him into the landing place Captain Joe said, that he "thought at first that the clock was gone, but he believed which fortunate circumstance he owed his life, for he was never as near heart of the supplied of the strong of the supplied of the CHAP. X. particularly in Murcia.

Mineral salt is very abundant in various parts of Spain; there is a most remarkable mine of rock salt at Cardona in the province of Catalonis, the mountain containing which is 500 feet in height, and extends nearly three mountain containing which is 500 feet in height, and extends nearly three of salt are made from the salt aprings in Murcia and Valencia. There are also very extensive salt pass in the Bay of Cadiz.

The marbles of Spain are both numerous and valuable, particularly those from the quarries of Murcia, Valencia, and Granada.

Ancient Minine.

Ancient Minine.

Ancient Mining Districts of Alston Moor, were ratified "An Account of the Mining Districts of Alston Moor, were activated, and Teesdale, by T. Sopwith, Land and Mine Surveyor.]

"The nature of mining was in those times (the reign of Henry V.) very imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understood. Science had not emerged from those visionary imperfectly understoo

Unton GOLD MINES.

mouse," were neither to be seen nor heard; and a variety of con-were affoat, as to where they had taken up their quarters. The chant was getting more and more obstropolous, and no one dared farther than their bed room doors, until Sober John screwed programmers was getting more and more obstropolous, and no one dared venture farther than their bed room doors, until Sober John serewed up his courage and advanced by inches, saying a great many soft and soothing things, in the true spirit of a messenger of peace. But on catching the first glimpse of his comrade, he caught the infection, and immediately commenced laughing as heartily as either Boniface or the Piskey; and although he beat an equally quick retreat, he narrowly escaped being run through with a spit by his infuriate comrade. Having made a safe retreat, Sober John, like a prudent general, called a council of war, in which it was agreed that an aide-de-camp, in the person of the cook, should be sent forth to endeavour to bring the enemy to terms, under the protection of a flag of truce. Mrs. Drippingfat, having put on her most demure look, cautiously advanced to within a humble distance of the enraged hog-merchant, and with a bland smile, and in a soothing tone, asked him what he would like to take for supper? This did the business. Captain Joe followed her like a lamb into the pantry, overhauled its contents—made his choice—and in a trice the supper table was laid out before the kitchen fire.

(To be continued.)

NOTICE TO CORRESPONDENTS.

Redruth.—The letter of Persius arrived too late for insertion.

Albion Mines.—Mr. Cardoza is in error. We listen not to anonymous

Sets of the Mining Journal.—We renew our request to Agents or page Nos. 1, and 2, to furnish us with them at the earliest opportunity.

Map of Cornwall.—We are forwarding this matter with all reaserties.

THE MINING JOURNAL

AND COMMERCIAL GAZETTE.

LONDON, January 16, 1836.

The observations which we felt ourselves called on to make in our last two numbers on the subject of the formation of companies and directorships, have very naturally been somewhat unpalatable to those to whom our remarks were more particularly directed; while others have considered them as too generally condemnatory, and thus including several compagenerally condemnately, and to apply :—that we may at least convince our readers we were perfectly justified in the course we pursued, perhaps a word or two in illustration of the

Correction of our position may suffice.

The object we had alone in view, was that of attracting the attention of those who are about embarking their capital in mining operations, to the class of merchant directors resident in Cornwall, who are too well informed not to admit the justice and force of our observations as relates to supplies; for need only refer to scenes of almost daily occurrence in the county of Cornwall, of disputes amongst themselves as to the charges made for materials and supplies to the mine, although they go upon the system of "Give and take," to be fully borne out in cautioning the public, ere they become the dupes of those, who are certain of doing well, whatever may be the

success of the adventurers.

It is without regard to any particular mine or board of directors that we speak thus plainly; for it is only necessary for the public to ask themselves one or two questions with the prospectus before them, to form their opinion as to the objects of the promoters of the undertaking. First, let them enquire who are the parties, if Messrs. A. B. and C., as self-appointed directors, are they men of known character and respectability, are they directors in other concerns of a like nature, if so, how many, and are they making directorships a trade or are they interested in selling the mine which they profess to manage or perhaps it may be found on enquiry they are merchants as in the cases referred to, who supply the mines with materials of inferior quality, at an excessive cost, baving the auditing of their own accounts, while the shareholders have only to supply the necessary funds,

So lost to every sense of propriety or delicacy, are some of those parties that we find directions formed of Cornish merchants without a London adventurer, although it is to London they look for the capital, while we have every reason to believe that the concerns they are desirous of foisting on the public, have been already tried unsatisfactorily. Unsatisfactory we will admit to those who have lost their money, but satisfactory at least to those, conversant with mining, so far as to enable them to arrive at the conclusion, that the mine is worthy another trial

and that is to sell her.

We last week adverted to a Company, in which we stated that the qualification of the Directors formed about one-third of the capital considered necessary for effectually working the mines, and therefore expressed our surprise that it should the other two-thirds, or about £3,000. As we are informed that we were rather hasty in drawing the deductions we did, we are most anxious to set ourselves right with the public, and place the subject before them in its proper light.

It appears, then, that the 350 shares taken by the Directors as their qualification, is not a part of the 1000, which the proprietors "had agreed to part with," reserving as they did the remaining 1000 with "£5 per share paid thereon," as the consideration or purchase money of the mines : but it turns out that these 350 shares form a portion of the 1000 reserved shares, so that unwittingly the secret is out, the directors are the sellers of the mine in question, they take their 350 shares with £5 paid, so that no capital is required from them while they coolly pocket £5000 as purchase money. It is such acts, as we have into discredit, and we before observed, that bring mining not too frequently caution the public in joining schemes of this nature, nor impress on them too strongly the necessity and importance of enquiring for themselves into the objects of the

concoctors of the company.

One word more as to merchants and their mines, and the system pursued by mine brokers or share-jobbers; a class of hom we shall hereafter have occasion to speak. One of the Prospectuses which has come before us is mine in the county of Cornwall; some shares in which a friend of ours purchased at some £30 or £40 per share in London while they were to be had at £7 or £8 in the county; but then he had the advantage of the aid and local intelligence of a Cornish mine agent : this same mine was tried we suppose, we must say only partially, and was considered, we have some reason to believe as worthy of being knocked; but, say the merchant-directors, give it one more trial, if it will not work with advantage to a private company in 64 shares it may to a public one; and as we multiply the number of shares, so are the prospects of success, in like manner encreased; while of

one thing we are certain, if we form the direction; if we supply the materials, we cannot lose much, and we can see that no one imposes on us however we may impose on others. But we have said enough, one word however at parting—read and judge for yourselves-ask who are the sellers? what the purchase-money? who the directors? and look at your money twice before you part with it once.—It may go into safe keeping-that is, to be kept.

THE PUNDS

CITY. -FRIDAY.

The occurrence of two settling days this week, viz.: in Consols and foreign securities, has not produced much movement of any kind in the funds. The opening or account day in Consols took place on the 14th, and exhibited, on the whole, a surplus quantity of stock. This symptom, however, is scarcely worthy of notice, the continuation or interest for loans on the security of Consols from the January to the February account not having exceeded 3.16 or shout 2 per cent, interest for money. It turns having exceeded 3.16, or about 2 per cent, interest for money. It turns out, in fact, as might be expected, that the late rise of price from 91\frac{1}{2} to 92\frac{1}{4}, 93 has, as usual, produced the double effect of inducing one portion of the public to realise, while the others have declined any purchases at an

Consols, which commenced on Saturday 91‡ & x div., close this even ing 90‡ 91. Exchequer Bills and India Bonds remain nearly as last week; the former 18. 20.; and India Bonds, 4. 6.

week; the former 18. 20.; and India Bonds, 4. 6.

The Foreign Bond Account of the 15th was settled to-day, and having been preceded, as on several recent occasions, by the sales of parties who appear to be desirous of realising the profit resulting from the late advance in Spanish Bonds, the prices of this security declined yesterday to about 49‡. The pressure abated, however, at the close of the day, and at the actual settlement of the account this morning, the Bonds again advanced and close this evening at 50‡.

Upon the whole, the prices of Spanish Bonds have been been desired.

and close this evening at 50‡.

Upon the whole, the prices of Spanish Bonds have been heavy for some days past, the public here and at Paris not appearing to coincide in opinion with M. Mendizabel that the affected and prolonged mystery in the plan of finance must by any necessity portend a favourable result. On the contrary, it is generally believed that a considerable deficiency must exist, owing to the extraordinary war expenditure, and the public here and on the Continent are therefore looking with much anxiety for the solution of the question by what means is the deficit to be supplied. The continued delays of the Spanish Government in the measures which were expected to be speedily adopted for the sale of convent lands have also operated unfavourably, and the belief of the bondbolders that the Spanish Government is disposed still to proceed in an honest and straightforward course, appear

favourably, and the belief of the bondholders that the Spanish Government is disposed still to proceed in an honest and straightforward course, appear to be chiefly sustained by the circumstance that the Ministry do not appear as yet to have lost the support of the patriotic party in the Chamber. The other reports this week as to Spanish affairs appear to be of a favourable character. It is stated that the Commercial Treaty which has been lately discussed between the Spanish Government and ours is suspended for the present at the request of the former, on the plea that it will be more consistent with the honour of both parties that the Treaty should be finally settled when the period arrives at which Spain, being released from the insurrection in Biscay, may be supposed to treat upon equal terms.

terms.

With regard to the reported guarantee by England of a loan of two millions for Spain, it is believed that our Government, which has advanced military stores to a large amount, may as freely and consistently propose to Parliament a guarantee for any aid required in money. Whatever be the to Parliament a guarantee for any aid required in money. Whatever be the destiny of Spain, whether the great economic revolution now in progress is to be effected by peaceable means under the constitution of the Chambers, or by an armed struggle against the monks and their party, it is strongly felt here, that it is the interest of England to assist in the revival of energy, self esteem, and national government in Spain, and consequently to rescue her from Foreign influence, and restore her to national strength and independence. If from 1822 to 1825 it suited the policy of this country to favour loans of money to the Spanish American Colonies, (amounting to a nominal capital of 27 Millions), in order to rescue them from the Bigoted Monastic Government of the Mother Country, it is strongly argued now that it is also the duty and interest of this Government and people to assist the Spanish nation in throwing off the yoke ent and people to assist the Spanish nation in throwing off the yoke Monks, with all its depressing influences upon industry, intelligence, and national improvement. With regard to intelligence from other parts of the Continent, the week

has been singularly barren. By accounts received from Paris this morning, it appears that French 4 per Cents. rose on Wednesday to 1024. nas occurs ingularly barren. By accounts received from Paris this morning, it appears that French 4 per Cents. rose on Wednesday to 1024. Notwithstanding this encouraging circumstance, it is believed that the French ministry, which is in reality anxious to reduce the 5 per Cent. debt to 4 per Cents., will not, in fact, do any more this session than to revive the discussions upon this subject in the Chamber, with a view of attempting the general reduction in 1837.

ing the general reduction in 1837.

Private letters recently received from the Continent, written by persons generally well-informed, state that the relations between Russia and England are such, that in the opinion of many, war is scarcely to be avoided. It is affirmed that in answer to applications from England, the Austrian It is affirmed that in answer to applications from England, the Austrian Cabinet has declared that in the event of any war (maritime only) between England and Russia, Austria will be an armed neutral. It is also understood that France is disposed to be altogether neutral. Although these circumstances are by no means favourable to this Country, it appears to be expected here that Russia, being conscious of her present weakness, will agree to any terms which this Country may propose with regard to the Dardanelles as necessary to our security in the East.

Dardanelles as necessary to our security in the East.

In the meantime, it is evident that although the actual circumstances of this Country are flourishing, yet that the two great political parties, which in turn appear to administer the Government, are much more divided, and factiously opposed to each other, than on previous occasions; that the cur-rent of public opinion runs strongly in favour of the continuance of peace, even although some decisive effort to curb Russia were a matter of evident policy, and it would follow, under such circumstances, that as there is but

that the would follow, under such circumstances, that as there is but little probability of an union of parties, even upon a national question, that there is therefore but little chance that peace will be disturbed.

In all the markets for Foreign Securities, except in Spanish Bonds, transactions have been upon an extremely moderate scale, and the prices peachs without socialism. carly without variation.

market for Railway Shares has, however, exhibited a striking of The market for Railway Shares has, however, exhibited a striking contrast to the others. The advance which occurred last week has been followed by a further rise since Saturday in the prices of many of the Shares, more particularly in those of the London and Birmingham, Southampton, Gravesend, Croydon, and Stephenson's Brighton, for all which there has been a considerable demand during the greater part of the week. Brighton been a considerable demand during the greater part of the week. Brighton Shares have been in a very excited state this morning, on account of a negociation for a junction, which has for some time been pending between Gibb's and Stephenson's Brighton lines. The rumours on this subject have been confirmed by an advertisement this evening, by which it appears that the Directors of Gibb's Brighton will suspend the execution of their line by Merstham this session, and that a junction will take place between their line and Stephenson's at or near Epsom.

The rise in the prices of Railway Shares this week is considered to be

The rise in the prices of Railway Shares this week the more remarkable, as the prices of iron, which affects these undertakings sensibly, in the cost of Railway bars, &c., have again advanced considerably Prices of the leading Railway Shares close this Evening as follows,

Blackwall 2½
Brighton (Gibbs's) par.
Ditto (Stephenson's) 7
Croydon 7 24 premium. premium. premium. 9 premium. 1 premium. 1 discount.

LATEST INTELLIGENCE.

CITY, 12 o'CLOCK.—Consols for account, 914, 3 per Cent. Red. 914, 4;
Exchequer Bills, 18, 20; East India Bonds, 4, 6; Belgian 5 per Cents., 1014, 2; Portuguese 5 per Cents., 84, 4; Spanish 5 per Cents., 50, 4;
Deferred, 244, 5; Passive, 16, 4; Mexican, 374, 84; London and Birmingham Railway, 62, 4 pm.; Greenwich, 8, 9 pm.; Great Western, 13, 14 pm.; North Midland, 44, 5 pm.; United Mexican, 34, 44; London and Westminster Bank, 4, 1 pm.

Intelligence up to the 12th ult. has been received from these miss, whereby it appears that the No. 3 vein has been cut through in the 60 feet cross-cut from Reading's shaft. The vein is large, about 4 feet wis, composed of several branches of quartz, intermixed with talcose slats, dissiminated throughout with the brown oxide and sulphuret of ire, with cubical pyrites, and has a favourable appearance for gold—vein stone when broken shews gold very clearly. The engineer is getting on very expeditiously with the erection of the engine and crushing mit. The second boiler is finished and fixed in its place. Reports of the healthy situation of these mines are highly favourable. They are new raising ores, and hope to begin crushing and producing gold in a sher time.

HOT AIR.

Hot Air.

It has been doubted by some practical men, whether the expense of making hot air would not counterbalance the subsequent gain: the reverse of this is said to be the result of a persevering trial made at the Clyde iron-works, where the air, before it is thrown into the blast funces, is heated to 220 degrees of Fahrenheit in cast iron vessels, placed on furnaces similar to those of steam engine boilers. According to a statement in the Glasgow Chronicle, this improvement is calculated to accomplish a saving of fuel in Great Britain amounting to 200,000l. per annual The fact that air is not fitted to promote combustion until it reaches a high temperature being admitted, the question, so far as concerns the saving of fuel in the smelting of iron is simply this: whether it is most economical in respect of fuel to heat the air in the smelting furnace, when it comes into contact with the coke, and carries it off in the form of earbonic acid gas, or to heat it previously in a separate furnace? The experiit comes into contact with the coke, and carries it off in the form of earbonic acid gas, or to heat it previously in a separate furnace? The experiments at Clyde iron-works show that it is heated in the separate furnace
with one eleventh part of the fuel that is required to heat it in the smelting
furnace, when allowed to come in contact with the coke. One reason why
this should be the case is obvious: in the smelting furnace the air is
heated with coke, in the separate furnace with coals.

Individuals who have written professionally on the subject of ireasmelting, have noticed as facts two circumstances which the experience of
workmen generally corroborates, but neither of which seems to have been
very satisfactorily accounted for. We allude to the practical discovery,
that although a strong and steadily sustained blast is essential to the production of a large quantity of metal, and is of itself the improvement

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very satisfactorily accounted for. We allude to the practical discovery, that although a strong and steadily sustained blast is essential to the production of a large quantity of metal, and is of itself the improvement which mainly characterises our modern furnaces, yet that there is an undetermined maximum of available blast, or amount of air blown into the furnace, beyond which the effect is nugatory, or injurious to the operation of reducing the ore. It appears then, when the volume of air injected by the tewyre is either too great, or driven too violently forward, instead of promoting combustion in the ratio of its impetus, it is carried through the materials unconsumed, the cokes at the same time being blown away before promoting combustion in the ratio of its impetus, it is carried through the materials unconsumed, the cokes at the same time being blown away before they can efficiently co-act with the fluxes; in consequence of which the ore falls either not at all, or but partially liquified, into the earth below, or falls either not at all, or but partially liquified, into the earth below. To avoid this evil, and at the same time to bring the blast to bear upon as To avoid this evil, and at the same time to bring the blast to bear upon as large a surface as possible, it has been introduced on opposite sides of the furnace, and by this it has been most largely and economically applied. The quantity of air thrown into a furnace per minute has been computed at upwards of seventeen thousand gallons, and at a pressure of two and a half, or three pounds per square inch; if then it be correct, as chemists have asserted, that six inches of vital air are absorbed in one minute by each individual of our species, the quantity of this element consumed by an ordinary blast furnace is equal to that required by 200,000 persons. It may be added here, as giving some idea of the consumption of fuel in the smelting process alone, that according to computation, the iron-works of Carron, in Stirlingshire, burn annually as many coals as would be required by a city containing 700,000 inhabitants.—Cabinet Encyclopædia.

Building Stone. - England is most advantageously situated in Building Stone. — England is most advantageously situated in a geological sense. There is no tract of country in the world of equal extent, that has such vast reservoirs of coal and metal; and there is none that has so much and so good building stone. Our marbles may not be so fine as those of Italy, but our building stones are good, and may be obtained at a comparatively trifling expense. The great improvements which have been made in the construction of bricks, and their strength and efficiency have tended to do away with the necessity for the use of stone. We have, however, many evidences of the great antiquity of the art of building in stone. There are in existence not only remains, but entire buildings of very ancient date, and some of these are objects of wonder, even at the present day, some from the elegance of their forms, and others from the immense size of the materials of which they are constructed.

Stones for Masonry. - The stones most commonly used in England for Stones for Masonry.—The stones most commonly used in England for heavy masonry, are the Reigate stone, Purbeck-stone, Free-stone, Portland-stone, and Granite. Reigate or fire-stone, is a freestone, capable as its name imports of withstanding the effects of fire, and is therefore used in all those parts of a building where it is exposed to its action, such as hearths, ovens, and stoves. It is chiefly obtained from Sussex: Purbeck is a hard greyish stone, and is chiefly used for pavements. It is capable, from its very compact texture of being wrought to a very smooth face, and will bear a slight polish. There are several kinds of freestone, and they are obtained in different places. When first taken from the quarries, freestone is, in general, very soft, but by exposure to freestone, and they are obtained in different places. When first taken from the quarries, freestone is, in general, very soft, but by exposure to the atmosphere becomes much harder. It may at first be easily cut with a common saw, and may be worked almost as easily as a piece of timber; but after exposure to the atmosphere for a few weeks, it becomes very hard. Bath-stone is one of the best freestones obtained in this country, and is preferred to all others when it can be procured at a moderate price, for it has, in an eminent degree, the property of hardening by exposure to the air, and is not apt to chip and peel as many others are. It is a fine sandy grit of a whitish colour, and from the case with which it is worked, is well adapted for chimney pieces, jambs for windows and doors, the dressings of windows, and for other external work. Portland stone is somewhat similar to the purbeck, but softer and whiter, is raised in much larger blocks from the quarry, and is of very extensive use in building; it will not, however, stand the fire, but well endures the vicissitudes of the weather. It is, perhaps, the best common stone for building, having suffisomewhat similar to the purbeck, but softer and whiter, is raised in much larger blocks from the quarry, and is of very extensive use in building; it will not, however, stand the fire, but well endures the vicissitudes of the weather. It is, perhaps, the best common stone for building, having sufficient hardness, durability, and equality of texture for every purpose in building, added to which its comparative cheapness, and the large size in which the blocks are or may be raised, makes it vastly superior to the purbeck. Granite has of late been very much used in building, particularly where strength and durability are required. This stone has a very hard crystalline structure, and resists the usual methods of working. It is reduced to the form required, by pecking, with a kind of hammer, somewhat similar to a pick-axe. It is found in large quantities in many parts of the West of England, particularly in that district called Dartmoor's, near Plymouth, though it is a prevsiling rock throughout Cornwall. It also abounds in many parts of Scotland, that brought from Aberdeenshire is much esteemed. This stone is particularly valuable in those situations where there is much wear, as, for instance, in the steps of public buildings, the curb stones of pavements, the pavement or carriage-way of roads, and the piers of bridges. Waterloo and London bridges are almost wholly composed of granite, both of which will long remain as monuments to the composed of granite, both of which will long remain as monuments to the skill and talent of the architects who designed and constructed them. Smeaton's Builder's Manual.

Meteoric Iron.-M. Gruithausen of Munich, has discovered indu-Meteoric Iron.—M. Gruithausen of Munich, has discovered indubitable proofs of lunar habitancy—high roads and a colossal edifice—perhaps a lusatic asylum; a rail-road, to ascertain the accuracy of the discovery, is announced, and the surveyors are the Messrs. Green. By the bye, why should not the large pieces of iron, found in different parts of the world, and which astronomers and geologists tell us have been ejected from the moon, be part of an old rail-road, or the exploded portions of a boiler?

Menai Bridge.—In that wonderful structure the Menai suspension bridge, the effect of the expansion and contraction of the chains by heat and cold is inceniously provided for by passing the chains by heat and cold is inceniously provided for by passing the chains

son orange, the enect of the expansion and contraction of the chains by heat and cold is ingeniously provided for, by passing the chains over rollers placed upon the top of the towers over which they are slung. In 1830, when the mercury was 18 deg. below the freezing point, it was found that the bridge, which weighed more than twenty thousand tons, had risen six inches and a half above its level, and the extremes between its relaxing on the hottest, and its contraction on the coldest day, is more than a foot.

MINING STATISTICS

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THE GREAT CONSOLS.

We have just been informed that a very valuable discovery has recently been made at the bottom of the Great Consols mine, in the parish of Gwennap. We believe this to be the deepest point to which the globe has been penetrated by any copper mine; and the deepest but one in the hours world, namely, Monk Wearmouth colliery, in the county of Durham. A little more than a century since our Cornish mines were but little worked for copper, tin being the chief conmodity; and the operations were confined to a few fathoms only from the surface, the drainage being effected by tackles or whims. Wheels and leverage were next employed in the drainage, through the agency of that element which they wanted to remove, and these enabling the antients to penetrate a few fathoms from the surface, and the lodes frequently becoming poor before or about that depth, the mines were as frequently abandoned under the idea that they must needs be worthless below the different points where the lodes had ceased to be productive; and that even if the lodes were not exhausted it surpassed the wit and ingenuity of man to devise more effective means of drainage. Accident had frequently developed the power of steam, and the inventive faculties of man were taxed in order to turn that power to account; these were not exercised in vain, as the gigantic powers of the steam engine soon demonstrated. Bolton and Watt, and steam engines were now on every tongue; yet, aided by this surprising power, the most sanguine scarcely dared anticipate piering the earth's crust far beyond a hundred fathoms, and the few who dared extend their views so far, were laughed at by the many as enthusiastic visionaries. Subsequently the single engine was still a sluggish operative power; the box lifts made way for plungers; the hitherto sluggish machine came in and out of doors with almost equal ease, and the most incredious acknowledged her almost unlimited power. We now see the anticipated power of this wonderful machine multiplied, how many fold we ar

MINING CORRESPONDENCE.

ENGLISH MINES.

NORTH CORNWALL MINING COMPANY, Wheal Thomas, Jan. 9, 1836.— Since our last report, the eastern end of 17 fathom level is improved; west end at same level not quite so good. We are sorry to inform you that there has been but little done in Wheal Thomas since our last report, west end at same level not quite so good. We are sorry to inform you that there has been but little done in Wheal Thomas since our last report, in consequence of breaking the crank in the Water Wheel, we are to have a new one on Monday; there is no particular alteration in the 8 fathom level since our last.—Wheal Hope. The adit level continues much the same; ground rather harder in the 12 fathom level, with increased quantity of mundic, but no improvement in regard of lead as yet. No alteration in the twenty fathom level this week. We have been through the 28 fathom level as far east as Eastern shaft level standing very secure, there must be some repairs about the shaft. We have also been through the 38 fathom level; found this level standing very well 40 fathom east of Engine shaft. We commenced on Wednesday morning to drop the lift in Engine shaft, our progress was impeded by some timber across the shaft under water, so that we were not able to drop more than 15 feet. We have forked the water to that depth, and our shaft men have been down this day, and removed some of the timber, and we hope to be enabled on Monday next to drop below the 48 fathom level. The lead dressed and weighed in this month is 2 ton 6 cwt. John Borlasse.

Poliber Minisc Company, Jan. 9, 1836.—I beg leave to inform you that we have again commenced desuing the lode in the bottoms and deep adit end. The preparatory work for sinking under the shallow adit at Stainsby's engine shaft will be completed early in the ensuing week, and also at Thomas's whim shaft, under the middle level. At Vice's shaft we are now about 2 fathoms under the shoal adit, and I am happy to say that the ground has the most promising appearance, being quite alive and abounding with rich branches of tin.

R. Rowe, Jun.

abounding with rich branches of tin.

R. Rowe, Jun.

SOUTH WHEAL LEISURE MINING COMPANY, Jan. 9, 1836.—I can only repeat what I reported on the 2d inst. We are continuing to sink the engine shaft in a favourable stratum of ground, and the water still manageable; it is now down below adit D fathoms and 3 feet. With respect to surface operations, all are going on rapidly.

R. Rowe, Jun.

EAST CORNWALL SILVER MINING COMPANY, Jan. 11, 1836.—1 be East Connwall Silver Mining Company, Jan. 11, 1836.—1 beg leave to report to you the state and progress of these mines. Wheal Mexico.—The new shaft (Budge's) sinking on the eastern end of the adit is down 6 fathoms. Wheal Emity.—Since the adit end has been resumed, the lode has much improved both in size and quality; the whole lode, exclusive of the caples, is 18 inches big, and the leader 10 inches. Wheal Georgiana.—Atkinson's shaft has been sunk upwards of 3 fathoms. The lode in the end is from 20 inches to 2 feet wide, and has much improved in the last 2 fathoms' driving. Wheal David.—Stainsby's shaft is down 54 fathoms; the ground proves favourable for sinking. In the end going west the lodes are again drawing together, and the appearances promising. By recent assays, we find silver in all the levels, but not rich; the highest produce being 30 ounces per ton. Wheal Virgin.—The water in Snell's shaft is decreasing, being partially let down by the cross cut. We intend to get the water out (which is now only 2 fathoms), and set a pair of men to sink immediately; we shall also be in far enough south to commence rising against the shaft from the cross cut in a day or two. Our castings for the engine have not yet arrived: a letter from the founders on Saturday says they are all ready, and in daily expectation of the arrival of the vessel to take them in.

. Almon Minimo Company, Jan. 12, 1836.—The lode in the 60 fathom level east from the cross cut on the eaunter lode is 2 feet wide, producing about one ton per fathom. The lode in the 60 fathom level east from the cross cut on the eaunter lode is 2 feet wide, producing about one ton per fathom. The lode in the 60 fathom level west from engine shaft is 4 feet wide, producing a little ore. We expect we have about 6 or 7 fathoms further to drive this end, before we meet with the branch gone down west of the winze. The same level east from shaft at present poor. The lode in the winze under the 47 cast from shaft on the courter lode is 2 feet wide a readwise 2 tenses fathom. at present poor. The lode in the winze under the 47 cast from shalt on the caunter lode is 2 feet wide, producing 2 tons per fathom. The lode in the 47 cast from engine shalt is 24 feet wide, producing about one-third of a ton per fathom, and has a kindly appearance. We have cut the north lode in driving north from the 60 fathom level west, which is about 9 inches wide, producing spots of ore. I cannot speak of any thing new in the other parts of the mine since my last. We have commenced driving the 54 fathom level at Wheal Mithian, we find the lode cast and west from shalt to be very large, reducing requiring any analysis about the state. from shaft to be very large, producing mundic and spar, and has not an unpremising appearance. The lode in the 40 fathom east is still large, producing stones of ore. The lode in the 40 west is large also, but poor. The lode in the 30 fathom level east from engine shaft at present small.

The lede in the 30 fathom level east from engine shaft at present small. Yeaterday we set a pitch in the bottom of the adit on the south lode 13s, 4d, in the pound for lead and silver ore.

Theleigh Miniko Company, Jan. 9, 1836.—Our men are all regularly employed in working their respective bargains as noticed in my last report. The ground in the engine shaft is rather better, the men have tunk about 24 feet. In the deep adit level on Maria lode, the men have driven 6 feet; the lode is in two parts, yet the leader continues its full tize, and produces good stones of ore. The south lode at this level is small, the men have driven about 6 feet. Our western shaft under the shallow did it is certical door well and will be a created devaster to extend small, the men have driven about 6 feet. Our western shaft under the shallow adit is getting down well, and will be a great advantage in extending these levels, both for air and discharging the stuff; the men have suak

8 feet. The lode in the shallow adit, east of the engine shaft, continues much the same, the men have driven 5 feet, but the pitch in the back is not quite so well, it is a bunchy lode. In the shallow adit, on Wheal Maria lode, the men have extended 6 feet, the lode is large and kindly' composed of a fine goisan spar and mundic, with good ore. The deep adit, west on Shanger lode, is much improved in quality, producing more ore; but the end, west of the cross-cut, on the same lode at this level, is not so good, although saving work 2 feet wide, and the men have driven 6 feet. At Wheal Christoe we have a large gozzan lode, producing little ore and a quantity of water; the men have extended this level 5 feet. The winzes under adit on Maria lode, we cannot say much about, the men have just opened the level, and taken up the water to prepare for sinking; our pitches, sat at 5s., will do little for the tributers, and, perhaps, we may be obliged to re-let them.

St. Hillary Minno Company, Jan. 9, 1836.—I have the pleasing.

pitches, sat at 5s., will do little for the tributers, and, W. Sincock. be obliged to re-let them.

St. Hilary Miniso Company, Jan. 9, 1836.—I have the pleasing satisfaction of announcing to you, that we have this week communicated the cross cut from the new engine shaft in Wheal Leeds, at the 20 fathons level, and entirely unwatered the mine to that depth under the adit. We have been compelled to suspend preparations for sinking the new engine shaft under the 21 fathom level, until we had completed the drainage of the old workings to the 20. We shall, however, resume this work again next week with increased energy; we shall also explore the old workings as far as we have unwatered them, and take immediate steps for clearing and extending the 20 fathom level east and west on the Wheal Leeds lode to open new ground. We continue to drive the adit level in Retallic ground on Mountserrat lode, the ground is good, we pay only 24s. per fathom, and it requires no timber. To expedite the drainage of the old workings, it became necessary to work the engine considerably faster, and I have the pleasure in saying it has done so in a very satisfactory manner.

C. N. BEATER.

REDMOOR CONSOLIDATED MINING COMPANY, Jan. 11, 1836.—Ther REDMOOR CONSOLIDATED MINING COMPANY, Jan. 11, 1836.—There is no alteration in sinking the Double Whim Shaft on Johnson's lode below the 10 fathoms level since the 4th inst, but at that level extending west it is large and impregnated with tin and copper ores in a promising quantity. The 30 fathoms level is continuing castward from Johnson's shaft in favourable ground. At the 20 fathoms level driving east from this shaft, the ground is rather improved, not being so hard as before. The engine shaft is sinking in killas of a kindlier and softer description than I have observed for several months.

W. Petherick.

The engine shaft is sinking in killas of a kinging that than I have observed for several months.

W. Petherick.

Perran Consols Mining Company, Jan. 11, 1836.—The adit levels which we are driving east on Mudge's lode, and west on Anthony's lode are improved, from both these ends we have raised some rich ores this week. The sumpmen are just ready to commence sinking the engine shaft below adit. In the cross cut driving northward from Mudge's lode, we have cut the old adit, and have recommenced the clearing up of Anthony's shaft, which we were obliged to suspend 2 months ago in consequence of the water—the shaft is now dry, and 2 fathoms more will put it down to the adit level, and when complete will give us a good current of air for the driving eastward on Anthony's lode, which we shall set agoing as soon as possible. Our erections have been greatly impeded this week by the heavy falls of rain we have had.

Roche Rock Mining Company, Jan. 11, 1836.—In the course of the last week our levels generally have become harder, but the agents expect a favourable change shortly, as the lodes have been in several parts of the mine subject to cross courses, which has been in several parts of the mine subject to cross courses, which has been the case in the present instance. The extent of ground set to the men on Saturday has been in consequence limited. The new lode at the 40 fathom level has been just cut, it will be opened on immediately. Every exertion is making to extend the levels on the course of the lodes, which I hope will prove successful.

Minima Company, Jan. 11, 1836.—We have now

NEW CRENNIS MINING COMPANY, Jan. 11, 1836.—We have now cut the lode in sinking the shaft under the 55 fathom level, which has a favourable appearance, as producing tin, though not rich. We have a good branch of tin in the 22 fathom east on new lode, about 6 inches wide, and the lode in the 55 fathom west has improved. We shall, as soon as possible, dress up all the ores of tin and copper rose prior to the lat of this month, so as to make but one sale of it.

W. BROWNE.

this month, so as to make but one sale of it.

W. Browne.

Kerrow Mining Company, Jan. 11, 1836.—Having driven the two cross levels a sufficient distance for the objects contemplated, we have put one of the pairs of men to drive the adit west, where the lode is large, and has a very favourable appearance. The other pair of men we shall put on discovery in various parts of the sett, from which I expect the most beneficial results. We have agreed for a 40 inch cylinder engine to be delivered by the end of April, and in the mean time we shall push the surface work, and I have no doubt of being able to get it to work in the month of May.

W. Browne.

month of May.

CARN GREY MINING COMPANY, Jan. 11, 1836.—Since my last we have nothing of importance to communicate, and though it may appear that our mine is looking at present rather gloomy, yet when we recollect that we have only 5 fathoms more to sink before we shall be again in tin ground, with a back of 10 fathoms, we are confident of brighter prospects. The lode in the 12 fathom west, though at present unproductive, has a favourable appearance, and is large and regular. Our operations in both adits have been lately, from various causes, impeded, but are now in a fair course of working, and I have no doubt the importance of these levels will develope itself to the entire satisfaction of all parties concerned in about 2 months.

W. Baowne.

EAST WHEAL STRAWBERRY MINING COMPANY, Jan. 11, 1836 .- The underground operations in this mine are going on very satisfactorily, and there is nothing new to notice except that in sinking Grout's whim shaft below the 15 fathom level, we intersected a branch about 15 inches wide underlaying north, of a promising appearance, composed of quartz, carbonate of iron, and other substances congenial to the produce of tin ores.

WILLIAM PETHERICK.

bonate of iron, and other substances congenial to the produce of tin ores. William Petherics.

Tamar Silver Lead Mining Company, Jon. 11, 1836.—Notwithstanding the inadequate size of the pitwork delivered on the mines, (the founders having only partially performed their contracts), the water has been drained about 11 fathoms under the adit. We intend putting down a larger lift in the course of a few days.

British Tin Mining Company, Jon. 11, 1836.—The ground in the cross-cut at the 12 fathom level is not so favorable as last report. We expect to finish our platt this week at the 12 fm, level. The lode here is very regular, producing some tolerable work; the lode has an improving appearance, and is from 6 to 7 feet big. In extending east and west on this lode, we shall send a great quantity of tin stuff to surface. Afterclearing out the water and attle in the winze alluded to on the caunter-lode last week, we find the lode about 12 inches big, with a branch or leader about 1 inch big, very rich, and the ground moderate, but the water is more than we think practicable to sink with, as we expect, so soon as we intersect the next lode, to bottom the water will be all down out of the winzes. The ground in the adit and on Dyer's lode is just the same as last week, the lode is about 1 foot big, and tinny. We think we shall suspend this end till the water in the western adit is drained down, which we think will be down in a short time, fearing we should let down too much at once. The tribute pitch on Fagan's lode is suspended for the time.

Reducts United Wheat United Nat. 14, 1836.—The lode in the

REDRUTH UNITED WHEAT URBY, Jon. 11, 1836.—The lode in the engine shaft is about 44 feet wide, and has just the same appearance as I

PORRION MINES.

BOLANOS MINESO COMPANY, Oct. 16, 1835.—In Bolanes we continue lowering the water, and it is probable that in a fortnight, we may reach the bottoms of Cocina again, which is about the time I stated in my lost. A transverse section of San Jose and Concjera shaft, will give you a correct idea of the depth at which we propo e driving the bottom cross cut, and also of the one we have already begue the continue that their lengths will only be found correct if there is no alter which we expect to derive or the direction of the vein. The advantages which we expect to derive from this new plan, are first, that by the 170 varieties of the continue and Coursero de Santa Thomas, we shall drain all the bottom of Conejera, and also prepare ventilation and footway in the Barrance works, rove impractionable that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be less dangerous to work out the pillars by ble; secondly, that it will be the case if we want out the pillars by the pillars by

not.
Oct. 20, 1833.—We have had nothing new since my last respects, except
that we have some hopes of a conducta before the 15th November.

Oct. 20, 1835.—18, 11935.—

Oct. 20, 1833.—We have had nothing new since my last respects, except that we have some hopes of a conducta before the 15th November.

St. John Del Rey Mining Association, October 18, 11835.—Since the last report, we have made very good speed in driving the Bandeira level, and last week contrary to our expectations, holed to some old workings, which we found full of water, the deepest part of them as far as we have hitherto seen is about 8 fathoms above the shallow Adit level. We have ascertained from inquiry that these works were made about eight years since by Sen. Alfares de Sampay. We have cleared a great deal of mud and rubbish from them, and have taken a sample from the Cabeccira or from the place where the former proprietors last worked, but it proved poor, although the lode is extremely promising and very large. This is no part of the workings made by Mr. Stalfeld while he was associated with Capitan Luis Sorren, which I stated in my last letter that I hoped to reach before the end of this month. We are still using every exertion and are working every hour without any exception whatever, to get this level under the rich part of the Cavaco Mine as soon as possible.

From the great number of sick amongst our Englishmen, we have been obliged to suspend some of our works. Oxenford's 47 fathom level is now idde in consequence, and I think that as a greater number; of men will be required for McDonnell's shaft, on the completion of the small engine now building for it, it will be advisable to allow Oxenford's to remain idle for a short time, to supply the requisite number of mcDonnell's, as the former is at this moment a place of minor importance.

At Halfeld's shaft we have not yet met with any better success. We

to remain idle for a short time, to supply the requisite number for McDonnell's, as the former is at this moment a place of minor importance.

At Halfeld's shaft we have not yet met with any better success. We have driven the 50 fathom level west on the course of the lode several fathoms, but have not yet cut any other veins; we are, however, seconding to the plan of the mines very near the run of some of them, and I hope to be able to report them cut by the next post.

The samples from Antonio Dias during the last ten days have been very poor; but, notwithstanding, there is some improvement in the produce from the stamps. We are still driving west on the course of the lode, but we have not yet made any discovery. On both of these places, Halfeld's and Antonio Dias, as well as Manfolilis, changing houses have been partly erected for the miners, with an idea to prevent theft, but finding the veins so poor that it is very seldom, indeed, that any gold is visible in the lode underground, we considered it unnecessary to complete them until we see something of more value to warrant it, particularly as strong gates have been fixed on the different places, and the ingress and egress of the men attended to by an officer. In the sinking of Waller's shaft we have been rather unfortunate. We put in a new working pump last week in the place of one that was very much worn, in hopes it would prevent any further delay; but we find it equally necessary to change another in the upper lift or column of pumps; this we shall not be able to do for some days, as the wood we have on the mine is very green and unfit for such purposes. We have, however, some very dry iron wood selected for the working pumps of McDonnell's shaft, which I hope will be on the mine in a few days, when some of it will be immediately prepared for Waller's. The ground in the cross-cut north of this shaft is still very favourable, neither requiring gunpowder for blasting, nor timber to keep it open. In the shallow sait there is scarcely any alteration since my

Total Marcs 2 5 6 22 GROUND PEPENDED. PMR. PT. IN. J. HITCHENS.

Reduction United Where United and has just the same appearance as I stated in my last. The lode in the 32 fm. level west continues large, and not without copper orce, but not rich. The lode in the 32 fm. level west continues large, and not without copper orce, but not rich. The lode in the 32 fm. level cast of the engine shaft is large, and produces a small quantity of tin orce. The lode in the 12 fm. level cast of the engine shaft is about 3 feet wide, producing in orce. The lode in the 12 fm. level cast of the engine shaft has just the same appearance and size as last reported. The lode in the rise against Cock's shaft is 2 feet wide, not rich. There is no alteration in Goodhinge's shaft, or in the rise against it since my last. The lode in the active cast of Goodhinge's shaft, or in the rise against it since my last. The lode in the active cast of Goodhinge's shaft or in the rise in the course of the week. As Buckett's the branch we are driving on is producing a small quantity of copper ores.

Great St. George, Jan. 12, 1836.—I have no news to impart respecting the underground operations of either of the mines; I can, however, any that on the whole things are looking rather better than worse. We sample to day at Great St. George 445 tons.

Bartism Copper Minino Company, Great Wheal Charlotte, Jan. 13, 1836.—I have nothing of importance to communicate this week respecting the appearance of the mine, ave that the lode in the 32 fm. level cast our times to improve; its size is from 3 to 4 feet, and the ores are of econolists of the bucket—we have been denoted to the province of the bucket—we have been denoted to the province of the bucket—we have, however, a new one nearly rendy to put in,

which I hope will obviate any further difficulties there; in the cross cut from this shaft towards the shallow addt the ground is tolerably favourich I hope will obtiate any further difficulties there; in the cross cut me this shaft towards the shallow adds the ground is tolerably favoure, and we are making good progress. At Oxenford's nothing has a done on the lode during the last ten days, it being necessary for the urity of the shaft during the wet season, to put in a great deal of ber work, about which the men have been employed. The lode in shallow adit is very small, and the ground still very hard, coasently our progress here has been very slow. The work for Macdoning the 21 fathoms level, at this shaft, have been withdrawn, to assist toring the 21 fathoms level, at this shaft, have been withdrawn, to assist toring the pumps, therefore nothing has been done on the lode for boring the Trainons level, a this shall, have been done on the lode for last ten days. The ground in the deep adit is without alteration. By eference to the gold book I find the produce since last reported is:

From the stamps From Halfeld's Commo	na	8 2	durts.	80	7
	Mark1	3	4	5	4
Ground	Expended, &c	1.			
Mines.	Description of Work.	Fat	homs. Fe	et	In.
Adit	Driven.		-	2	-

Mines.	Description of Work.	Fathoms.	Feet	In.
Deep Adit	Driven.	-	5	-
Shallowed on the lode			5	mate
Bandeira Mine	D'	6	-	-
Waller's Cross-cut	Do.	1 1		6
Stoping the bottom of ditto	Do.	8	-	****
Halfeld's 47 Fathom Level	Do.	1 1	-	a-relater
Antonio Dias, 2d Winze	Sunk.	1 1	4	-
Antonio Dias, 2d Rise	Do.	1	-	-
Cavaco Shaft	Do.	5	-	-
A new end west of Morgan's	Do.	-		manuel
Shaft on the course of the Lode	Driven.	4	3	
Halfeld's Rise	Run.		3	-

ACCIDENTS IN MINES.—THE DAVY LAMP.

Extract from the Evidence of G. Gurney, Esq., before the Parliamentary

What is your profession!—My original profession was medicine; it we been more particularly engaged in mechanical and chemical pursuits

during the last ten years of my life.

Are you acquainted with the mining districts of England, generally or locally !—I am more particularly acquainted with the mining districts of Cornwall, and of the western parts of England, than with those of the

You are aware of the fact, that the mining districts of the North of agland particularly are annoyed by what is called fire damp!—I am are of it.

Are you acquainted with the nature of fire-damp!—It is a subject on which I have made extensive experiments; I have chemically investigated the composition of fire-damp often; I believe I am acquainted with most of the states of mixture and chemical composition, in which it is found in coal mines; I have analyzed also some of the fire-damp which is found in the Welsh mines, which however is not extensive or dangerous. I believe I am acquainted with the nature of "fire damp" generally.

Will you have the goodness to give to the Committee a simple definition of the nature of fire-damp!—Fire-damp is generally a mixture of carburetted hydrogen, and atmospheric air; sometimes it contains a carburetted hydrogen, and atmospheric air; sometimes it contains a

tion of the nature of fire-damp!—Fire-damp is generally a mixture of carburetted hydrogen, and atmospheric air; sometimes it contains a portion of free hydrogen, but most commonly it is atmospheric air and carburetted hydrogen, with pure hydrogen alone; this was the case in a Welsh mixture which I examined. Often it is also adulterated with other gaseous mixtures; but those first stated form the principal.

In what state of mixture with the atmosphere do you consider it most explosive!—One in four is explosive; below that it is scareely so; as it approaches to one proportion in nine it becomes more and more explosive. From the experiments I have made, I should say, that one in eight, or one in nine, is the most explosive mixture of carburetted hydrogen and atmospheric air.

pheric air: In the course of your scientific researches, have you made any experi In the course of your scientific researches, have you made any experiments for the purpose of determining the temperature at which explosive mixtures will take fire!—About 500 degrees of Fahrenheit; I made a long series of experiments with this view in 1822. The result of those experiments was certainly interesting. Practically I found that it required a body at a white heat to ignite a mixture similar to the fire-damp, when, in fact, the fire-damp requires only from 500 to 600 degrees of Fahrenheit. The reason why this difference exists arises from the circumstances under which the heat is applied. If a red heat, a red-hot iron for instance, which is about 800 degrees, be plunged into a certain quantity of fire-damp, the particles of gas pass so rapidly away from the heated body, as soon as they are a little warmed, in virtue of their change in specific gravity, as not individually or collectively to arrive at a sufficient temperavity, as not individually or collectively to arrive at a sufficient temperature for ignition, viz., to that of 500 or 600 degrees; therefore a red heat applied to an explosive mixture of fire-damp will not ignite it: but if you applied to an explosive mixture of fire-damp will not ignite it; but if you place white-hot iron, under similar circumstances, into a vessel of explosive mixture, the particles, mixed in contact, cannot pass off before they arrive at 500 degrees, therefore it will instantly explode. The gas in the former instance moves so rapidly away as not to arrive at a sufficient temperature for combination; but if you confine the gas so that it cannot excape, and thus raise the heaf of the whole to 500 or 550 degrees, it then will take fire.

Under those circumstances, have you made many experiments with the

Under those circumstances, have you made many experiments with the wire gauze!—I made a great number of experiments about the same period, principally with a view of burning with safety, for the purpose of obtaining a powerful and intense heat, a mixture of oxygen and hydrogen gases, which is the most explosive mixture known.

That was at the same time with the experiments you have alluded to !—Yes, it was; those experiments, from their results, being new and unexpected, were carried to a great extent; I found that no kind of wire gauze, with any practical number of holes in a given surface, would prevent the passage of flame produced from such mixture under certain circumstances or through the smallest possible tubes. This led me to make experiments on wire gauze, as connected with the safety-lamp used in mines. The results of those experiments proved, that if an explosive mixture, such as is on wire-gause, as connected with the safety-lamp used in mines. The results of those experiments proved, that if an explosive mixture, such as is found in coal mines, was made to pass at the rate of about 300 feet a minute through the meshes, that the flame would pass the gauze, and inflame an explosive mixture on the opposite side; or if a wire-gauze lamp was made to pass or moved through an explosive atmosphere, at this rate (samely, 300 feet a minute or faster), it would explode it: but, I found invariably, that if the wire-gause and explosive atmosphere was steady, or if neither moved at a rate above that which I have stated, there was no If however they did move at this rate, or at a rate above it, a would explode. At a rate far less than this I could explode a at it then would explode. mixture of pure hydrogen and atmospheric air, which however is selder found in mines. This mixture may be exploded through "80-hole gauge: finest mesh. In further experiments with the wire-gauze lamp as a ns of safety in mines, I found that if any inflammable matter was on

the outside of the wire-gause when burning in an explosive mixture, that the heat of the gause would ignite that inflammable matter, which arriving at a white beat, would ignite the explosive mixture on the opposite side, and thus produce explosion of the whole.

That is to say, that though the wire-gause might not actually be white hot itself, that any foreign matter on the external aurface of that wire-gause might be heated to such a degree as to occasion explosion!—That is precisely my meaning. If in practice, for instance, a small piece of coal, a small portion of sulphur, or any such inflammable matters which may be found in mines, was to fix itself on the outside of a safety-lamp, it would be raised to a white heat, and thus communicate sudden explosion to the surrounding atmosphere. Some part of the stame within, he soon fanned or raised to a white heat, and thus communicate sudden explosion to the surrounding atmosphere. Some part of the wire-gause of the lamp is generally at a red heat when fire-damp is burning within it.

Are you aware that in most of the coal formations there are particles of one a mearly resembling carbon t—I am not practically aware of it; I have heard it stated.

Those particles would be specifically lighter than what is called the

heard it stated.

Those particles would be specifically lighter than what is called the complete formation of coal!—They would, and float in the atmosphere, depending entirely in degree upon their extent of surface; if we extend gold, which is one of the heaviest metals, we may make it so light as to move with or float in the atmosphere; and so the particle of coal, diminished in magnitude, or extended in particular form, would become so light as to float about.

non charcoal would be particularly es!—I think it would: its arriving Then any substance similar to co-able to ignite under those circumsta hable to ignite under those circumstances?—I think it would: its arriving at a white heat on the outside of a safety-lamp would depend upon the current of air that was at the same time passing against it. Charcoal, unless it is exposed to a current of air, which feeds it with exygen, remains at a red heat: in such a state it would not inflame fire-damp; but if a slight current of atmospheric air was to blow or impinge upon it, it would quickly arrive at a white heat, and then explode fire damp.

You are aware of the invention of Sir Humphrey Davy, for the protection of the ninest working in an impure attraction to the ninest working in an impure attraction to the ninest working in an impure attraction of the ninest working in an impure attraction.

on of the miner working in an impure atmosphere!—Yes.
What do you consider to be the rationale of that invention! tionale of Sir Humphrey Davey's safety lamp is connected with the radia-tion of heat, which is so rapid from its surface that the temperature of the wire-gauze is so kept under as to prevent the passage of flame; or, in other words, to prevent combustion or ignition of the small portions of gas which happen to be within the interstices. You cannot, under ordinary circumstances, raise wire-gauze to above a red heat, consequently at that temperature an explosive atmosphere will not take fire, provided that it be stationary, as I have before stated; but in ease of a certain sate of motion, the flame is driven further into the interstices, and at length comes through, in time, and in danger proportioned to the mechanical force, governed by the rate of current.

Give the Committee your general opinion of the comparative safety of that lamp!—I shink the lamp is perfectly safe if the atmosphere is kept tolerably steady, and there is no free hydrogen in the explosive mixture; but I think if hydrogen is mixed with the atmosphere, then the lamp but I think if hydrogen is mixed with the atmosphere, then the lamp would not be safe, even under stationary circumstances. I think the lamp is safe in a carburetted hydrogen mixture, if at rest; but if moved at a rate of or exceeding 300 feet per minute, I do not think it would be safe. I cannot speak to the extent of practical danger arising from the facility to the wanton or caveless exposure of the naked fiame, which perhaps in practice is impossible to be prevented. I am fully aware that miners will take off the gauze to light their pipes, or to getsomore light, for at best it gives a feeb's light through the wire gauze, and they are strongly induced to take it off to get more light when at work.

Then it is no protection to a man at work, where there must always be

to take it off to get more light when at work.

Then it is no protection to a man at work, where there must always be a current of air!—I do not think it is a positive protection; I think it is a partial protection. I think that fire-damp might burn within it safely for a time under some circumstances, and give notice of a dangerous state of the atmosphere by the observed phenomena in such cases.

You are not aware, as not being a practical miner, whether it is or not the habit of the miser to work for hours together with that lamp f of flame !—No; I do not of myself know it, I have heard it stated. Was the lamp of which you speak surrounded by a glass chamber !-

Is it not frequently so constructed !- I understand it is not

Under those circumstances, what would be your epinion of its safety?

Under those circumstances, what would be your opinion of its safety!—
I think, if the glass is kept sound it will remove much of the danger of the
lamp, but not all; there must be an inlet for air to feed, and an outlet for
it to escape from the lamp, which I do not see can be protected by glass.

Is your opinion against or in favour of Sir Humphrey Davy/s lamp!—
My private opinion, as I am asked it, is, that it is not practically safe;
experimentally it is so, under the circumstances I have stated, but in practical lde nost think its. I do not think it is.

upon the whole, as a matter of safety, you think it has been over —I think it has, so far as I have been informed upon the subject rated!—I think it has, so far as I have been informed upon the subject; I do not know to what extent it may or may not have been over-rated.

You have not had much experience of its practical effects; have you

seen it in mines !—I have never seen it in mines.

But supposing the case of a lamp perfectly clean, the gas freeforeign substance, and surrounded by a glass chamber, do you not my mines might be worked with comparative safety want, in lieu of candles!—I think they might, certainly comparative safety with such an

A variety of pressing matter hitherts prevented us from introducing the notice of our readers the following-

A variety of pressing matter hitherts-prevented as from introducing to the notice of our readers the following—

Act to amend the Laws touching Letters Patent for Inventions, passed 10th September, 1835.

Whereas it is expedient to make certain additions to and alterations in the present law touching Letters Patent for Inventions, as well for the better protecting of petentees in the rights intended to be secured by such letters patent, as for the more ample benefit of the public from the same: Be it enacted by the King's most excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, that any person who, as grantee, assignce, or otherwise, hath obtained or who shall hereafter obtain letters patent, for the sole making, exercising, vending, or using of any invention, may, if he think fit, enter with the clerk of the patents of England, Scotland, or Ireland, respectively, as the case may be, having first-obtained the leave of His Majesty's Attorney General or Solicitor General in case of an English patent, of the Lord Advocate or Solicitor General of Scotland in the case of a Scotch patent, or of His Majesty's Attorney General or Solicitor General for Ireland, in the case of an Irish patent, certified by his fiat and signature, a disclaimer of any part of either the title of the invention or of the specification, stating the reason for such disclaimer, or may, with such leave as aforesuid, enter a memorandum of any alteration in the said title or specification, not being such disclaimer or such alteration as shall extend the aveclauire right granted by the said letters patent; and such

specification, stating the reason for such disclauser, or may, wan such leave as aforesaid, enter a memorandum of any alteration in the said title or specification, not being such disclaimer or such alteration as shall extend the exclusive right granted by the said letters patent; and such disclaimer or memorandum of alteration, being filed by the said clerk of the patents, and enrolled with the specification, shall be deemed and taken to be part of such letters patent or such specification in all courts whatever: provided always, that any person may enter a caveat, in like manner as caveats are now used to be entered, against such disclaimer or alteration; which caveat being so entered, shall give the party entering the same a right to have notice of the application being heard by the Attorney General or Solicitor General or Lord Advocate respectively; provided also, that no such disclaimer or alteration shall be receivable in evidence in any action or suit (save and except in any proceeding by scire facias) pending at the time when such disclaimer or alteration was encolled, but in every such action or suit the original title and specification alone shall be given in evidence, and deemed and taken to be the title and specification of the invention for which the letters patent have been or shall have been granted; provided also, that it shall be lawful for the Attorney General or Solicitor General or Lord Advocate, before granting such fiat, to require the party applying for the same to advertise his disclaimer or alteration in such manner as to such Attorney General or Solicitor entered or the same to advertise his disclaimer or alteration in such manner as to such Attorney General or Solicitor entered or the same to advertise his disclaimer or alteration in such manner as to such Attorney General or Solicitor entered or the same to advertise his disclaimer or alteration in such manner as to such Attorney General or Solicitor entered or the same to advertise his disclaimer or alteration in such manner as to s shall have been granted. Provide a so, the state of Lord Advocate, before granting such fiat, to require the party applying for the same to advertise his disclaimer or alteration in such manner as to such Attorney General or So-theitor General or Lord Advocate shall seem right, and shall, if he so require such advertisement, certify in his fiat that the same has been

duly made.

11. And be it enacted, That if in any suit or action it shall be proved or specially found by the verdict of a jury that any person who shall have obtained letters patent for any invention or supposed invention was not the first inventor thereof, or of some part thereof, by reason of some other person or persons having invented or used the same, or some part thereof before the date of such letters patent, or if such patentee or his assigns shall discover that some other person had, unknown to such patentee, invented or used the same, or some part thereof, before the date of such letters patent, it shall and may be lawful for such patentee or his assigns to petition His Majesty nad, unknown to such patentee, invented or used the same, or some part thereof, before the date of such letters patent, it shall and may be lawful for such patentee or his assigns to petition His Majesty in Council to confirm the said letters patent or to grant new letters patent, the matter of which petition shall be heard before the judicial committee of the Priv Council; and such committee, upon examining the said matter, and being satisfied that such patentee believed himself to be the first and original inventor, and being satisfied that such invention or part thereof had not been publicly and generally used before the date of such first letters patent, may report to His Majesty their opinion that the prayer of such petition ought to be complied with, whereupon His Majesty may, if he think fit, grant such prayer; and the said letters patent shall be available in law and equity to give to such petitioner the sole right of using, making, and vending such invention as against all persons whatsoever, any law, usage, or custom to the contrary thereof notwith-standing: provided, that any person opposing such petition shall be entitled to be heard before the said judicial committee: provided also, that any person, party to any former suit or action touching such first letters patent, shall be entitled to have notice of such petition before presenting the same.

ng the same.

III. And be it enacted. That if any action at law or any suit in equity for an account shall be brought in respect of any alleged infringement of such letters patent heretofore or hereafter granted, or any scire facias to repeal such letters patent, and if a verdict shall pass for the patentee or this assigns, or if a final decree or decretal order shall be made for him or them, upon the merits of the suit, it shall be lawful for the judge before whom such action shall be tried to certify on the record, or the judge

who shall make such decree or order to give a certific that the validity of the patent came in question before him, which or certificate being given in evidence in any other suit or action ever touching such patent, if a verdict shall pass, or decree or deorder be made, in favour of such patentee or his assigns, he or they receive treble costs in such suit or action, to be taxed at three tim taxed costs, unless the judge making such second or other decrorder, or trying such second or other action, shall certify that he not to have such treble costs. not to have such treble costs.

(To be concluded in our next.)

On the Calcination distinct processes; in the open Coke is obtained in England by two distinct processes; in the open air, and by means of ovens constructed for the purpose. The former is the method usually adopted, the latter being applied almost exclusive in to the small coal or slack. In the vicinity of Dudley, in Staffordshir, all the coke is made in the open air; the process consists in forming a small conical chimney, with bricks placed in such manner, as to leave spaces between them, these openings are larger in the lower than in the upper courses, the usual height is about four feet six inches, surmounted by a cylinder of one foot. The coal is then disposed around the chimney, the largest lumps being placed first to form the base of a cone, after which more is thrown on the heap, until the top is above the level of the brick work; the whole surface is then covered with slack, with the exception of the lowest part of the heap, to about one foot high, the fire is then lighted in the chimney; at a certain period of the operation the remaining part is also covered with slack, and when the carbonization is judged to be complete the fire is extinguished, by throwing on a sufficient quantity of water and dispersing the materials of the heap.

The dimensions of the coke heaps vary considerably, they are most commonly fourteen or sixteen feet in disancter, and contain about twelveton of coals. From the time of lighting the pile the operation is completed in seven days, three for the calcination and four for the extinction and subsequent cocking of the mass.

pieted in seven days, three for the calcination and four for the extinction and subsequent cooling of the mass.

It would appear that a method so simple as this would be invariable in the results, nevertheless the contrary is the fact, much depending on the attention and judgment of the burner or superintendent. A ton of coal usually yields twelve ext. of coke or sixty per cent., sometimes ten ext. or fifty per cent. from the same materials. In South Wales both methods are practised, but the coke is not calcined with so much attention as in Staffordshire, the process differs in the heap being made in the form of a long bank four to six feet in breadth, and about three feet high, the large coals in-the middle, and the fire being lighted either at one end or at several parts of the heap. At Pontypool and Abergaveay the coke is culcined in the open air; the coad in some parts of this district bears a resemblance to charcoal; in converting it into coke great care is taken to preserve this entire, the operation is completed in five days. In the neighbourhood of Merthyr Tydvill the process is conducted in the open air, and although very little care seems to be given to

trict bears a resemblance to charcoal; in converting it into coke great care is taken to preserve this entire, the operation is completed in five days. In the neighbourhood of Merthyr Tydvill the process is conducted in the open air, and although very little care seems to be given to its progress, yet a considerable quantity of coke is produced, the coal being generally dry and giving but little smeke. At Plymouth works six tons of coal yield five tons of coke; at Dowlay 720 lbs. of coal yield 450 to 500 lbs. of coke; at Pen-y-Darran the operation lasts only three days, the increase in balk being also very considerable, three tons of coal producing twelve barrows of coke, each containing seventeen cubic feet, or above one fourth part more than previous to calcination.

At Neath Abbey the carbonization is more rapid than in any other place, it being finished in nine heurs, producing rather less than sixty per cent. of coke. In Scotland, calcination in the open air is generally adopted; formerly the heaps were burned without much attention being paid to their progress, but the Staffordshire mode has been used latterly with great advantage, the heaps consisting of eighteen tons of coal, well covered with slack, kept burning three or four days, and four or five days more being allowed for the cooling of the mass, the loss in weight is about fifty per cent.; the old method occupied only five days, but the loss amounted to from sixty to sixty-six per cent. The coke is of very unequal quality, some parts being very heavy and others light and porous. In Yorkshire the coal is arranged in long banks, six feet wide, by two and a half bigh, with square vertical chimneys, eight or nine inches in diameter, formed with large coals, at about the distance of six feet frem each other throughout the length; the loss is about fifty per cent. in weight.

nation imovens is considered to produce a heavier coke than the calcination in ovens is considered to produce a newire cose than the open calcination; the precess varies but little, being in all cases performed in ovens of a circular or oval form, with a low arch surmounted with a small chismey, the furnace has two doors or openings opposite to each other, sliding in a greeve and raised by a lever, they are usually of cast iron, the dimensions of the furnace about twelve feet by six; height of the arch in the centre five feet, at the door twenty-one inches; the cast iron, the dimensions of the furnace about twelve feet by six; height of the arch in the centre five feet, at the door twenty-one inches; the chimney rises three feet externally and about nine inches in diameter. At Neath Abbay the furnaces are smaller; the chimney is eighteen inches externally, and only one door, but in this case a hole is made in the opposite side to facilitate the clearing out of the coke. From the small coal carbonized in this manner the produce is about sixty per cent., while the same quantity of coal in the open air yields but fifty per cent, the coke from the furnace being so much more dense. At Swansee, by the same process, the produce is about fifty-four per cent. In the vicinity of Glasgow a circular oven with one door is in use, the diameter is nine feet, height of the arch six feet. The coke is drawn on every twenty-four hours; the ordinary charge, one ton and a half of coal, rising about two and a half feet in the oven, the loss is from fifty to sixty per cent. On Saturdays the charge is increased to two tons, and is

coat, rising about two and a half feet in the oven, the loss is from fifty to sixty per cent. On Saturdays the charge is increased to two closes, and is not withdrawn until the Monday. At the Lymington works, near Newcastle-upon-Tyne, all the coke is made in ovens, the usual charge is one chaldron of about two and a half tons, the operation lasts forty-eight hours, and the average loss thirty-nine per cent. The coke is screened to the diameter of about one inch, for smelting in the high furnace, the smaller portion being employed in roasting the ores. At Bradford, in Yorkshire, the method is similar to Newcastle, but the furnaces are smaller, the charge being only about one ten, the loss is about forts were sent. the charge being only about one ton, the loss is about forty per cent. It is difficult to decide to which process a preference ought to be given, the charge inergo only about one can, the loss is about forty per cent. It is difficult to decide to which process a praference ought to be given, the loss is less in the ovens, but they require more space more attendants, and more expence, while the open carbonization is considered to yield coke better adapted for smelting in the high furnace.—Mining

MISCELLANEA.

New Hydrostatic Engine.—We have had an opportunity of examining the recent discovery made by the Rev. J. T. Porter, of the Close, of this city, which he has named an hydrostatic engine, and which, when brought to perfection, will, no doubt, vie with the astonishing power of steam. astonishing power of steam. The principle upon which the engine acts is the well known law of nature, "the pressure of fluids." The acts is the well known law of nature, "the pressure of fluids." The construction of the apparatus is simple, consisting of four cylinders, each of them having four pistons. The double acting power of the model is put in motion by only twenty-five ounces of water, assisted by the lever. Some idea may be formed of the force of the pressure, when we say that, with the stroke of the piston of one of the cylinders, an ash bough, of an inch and a half diameter, was broken with the greatest ease. The Rev. gentleman is very sanguine as to the ultimate success of his discovery, and affirms, that a ship, laden with the usual freight, may take a trip to the East Indies and back, the engine requiring for its total supply not more than half a hogshead of spring water. From what we have seen we have no doubt that Mr. Porter will meet with success. He has our best wishes to that effect, and we have no coll the attention of the scientific back, the engine requiring for its total supply not more than hall a hogshead of spring water. From what we have seen we have no doubt that Mr. Porter will meet with success. He has our best wishes to that effect, and we beg to call the attention of the scientific world to this singular and valuable discovery. A circumstance connected with it, (not the least valuable) is, that unlike steam, not the slightest danger is to be apprehended from any accidental derangement of the machinery.—Salisbury Chronicle.

Temperature of the Human Body.—The mean temperature of the warmest place on the surface of the globe is nearly 20 degrees of Fahrenheit below the standard heat of the body; so that clothing of one nort or another means to be requisite in every region as a

one sort or another seems to be requisite in every region as 2

defence against external cold.

Davy Lamp.—In the Marquis of Londonderry's Colleries alone there are nearly 900 Davy Lamps in daily use.

Steam.—A cubic inch of water being converted into steam will, by the condensation of that steam, raise a ton weight a foot high-Lardner's Steam Engine.

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Labode, were conferred by the Royal Academy of Sciences of Paris, in its annual sitting of the 28th ult., on Mr. Dunlop, Director of the Observatory of New South Wales, and to M. Boguslawski, the Director of the Observatory at Breslaw.

Fortunate Tiff.—One of the richest men in England is the Rev. Mr. Hughes, formerly a poor clergyman, but now said to possess a revenue of between £70,000 and £80,000 a year. Some years ago he was in part proprietor of a barren piece of land, for which Lord [Ukbridge was then in treaty. The purchase money (a very small sm) was agreed upon; but the nobleman not keeping his appointment one day to finish the business, the commoner, in a tiff, would not give him another meeting. On the above-mentioned barren piece of ground were subsequently discovered the rich Anglesea copper-mines, from which Mr. Hughes draws his enormous income.—Haspakire Independent.

Iron Pyrites—Bisulphuret of iron, the iron pyrites of mineralicists, exist abundantly in the earth; it occurs in cubes, or some dified form, has a yellow colour, metallic lustre, a density of 4,981, and is so hard that it strikes fire with steel. Some varieties have a white colour, but these usually contain arsenie, others occur in rounded nodules, have a radiated structure diverged from a common centre, are often found in beds of clay, and are much disposed by the influence of air and moisture to yield sulphate of oxide of iron, these are suspected by Berzeleus to be compounds of protosulphuret and is sulphuret of iron. Bisulphuret of iron is not attacked by any of the acids except the nitric, and its best solvent is the nitro-hydrodioric acid. Heated in close vessels it gives off nearly half its sulphur, and is converted into magnetic iron pyrites. By heat and air together it yields peroxide of iron.—Turner's Chemistry.

PROM THE LONDON GAZETTE.

Tuesday, Jan. 12. PARTNERSHIPS DISSOLVED.

PARTNERSHIPS DISSOLVED.

S. and F. Phillips, London, merchants.—R. and H. W. Hurley, Conduit-street, spholsterers.—G. P. Phillipe and H. T. Archer, Gray's-Lim, attornies.—West and Gath, Bradford, Yorkshire, worsted spinners.—J. and R. Bridson, Liverpool, iron-mongers.—W. and P. Kleft, Strand, olimen.—Cannon, Miller, and Co., Liverpool, —J. Tape and W. Davis, Bromley, Kent, mailsters.—W. Ellis and J. Woodsend, Nottingham, Joiners.—E. Jee and Co., New York.—J. B. Peters and Co., Bristol, coach-masters.—I. Lowe and T. Moreton, Manchester, ablinte-makers.—J. Kay and M. Coyle, Manchester, plasterers.—T. G. Jaques and D. W. Nell, Leeds, comson-brevers.—Fishwicks and Smallpage, Buruley and Bury, Lancashire, tanners.—W. W. Borcham and S. Stokes, jun., Islington, brewers.—H. Godwin and C. Balley, Winchester, attornies-at-law.—Collagapi and Co., Cockspur-street, Charing-cos, printsellers.—J. Evans and R. Rutherford, Abergavenny, Monmouthshire, shodimasters.—A. Lindsay and Co., Manchester, calenderers.—H. Wilson and H. Gajiey, Limo-street, Bordeaux-merchants.—Pryce and Michell, Redruth, Cornwall, surgeons.—A. and M. Heaps, Leeds, confectioners.—J. Hewlett and W. Warner, Glouerster, cabinet-makers.—G. and W. Walmwright, Liverpool, general-brokers.—Standley and Potter, locksmiths.—Stebbing and Hallows, Norwich, saddlers.—H. Oldknow and G. M. White, Nottingham, surgeons.—J. Haley and Co., Stannigley, or elsewhere, Yorkshire, iron-founders, as far as regards J. Haley.—Garritte and Duck worth, Manchester, spirit.-merchants.—Banting and Son, Pall-mail, upholders.—R. Cheshire and Co., Manchester, iron-founders.—Ashworth and Webste, Bernondsey-street, curriers.—Morrison and Co., Monmouthshire, Preconsite, and Glamorganshire, common brewers.—Bryant and Phare, Plymouth, shrch-manufacturers.

BANKRUPIS.

BANKRUPTS.

BANKRUPTS.

Robert Drew, Hampstead.road, currier, Jan. 29, at 12 o'clock, Feb. 23, at 11, at the Bankrupts' Court. Solicitor, Mr. Billing, King-street, Cheapside; official assignee, Mr. Clark, St. Swithin's-lane, Lombard street.

George Thomas Cloudy, George attreet, Great Surrey. street, Blackfriars, baker, Inn. 23, at 12 o'clock, Feb. 23, at 2, at the Bankrupts' Court. Solicitor, Mr. Young, Mark lane; official assignee, Mr. Turquand, Copthall-buildings.

George Hewitt, Brixton-road, coach-master, Jan. 19, at half-past 2 o'clock, Feb. 23, at 12, at the Bankrupts' Court. Solicitor, Mr. Sadgrove, Mark-lane; official assignee, Mr. Belcher.

Betiah Brook, South Lambeth, surgeon, Jan. 19, at 12 o'clock, Feb. 23, at 11, at the Bankrupts' Court. Solicitors, Messrs. Rickards and Walker, Lincoln's-inn-felds; official assignee, Mr. Alsager, King's Arms-buildings, Cornhill.

Tyttl Joel, Newcastle-upon-Tyne, dealer in gold watches, Feb. 3, at 11 o'clock, Feb. 23, at 1, at the Bankrupt Commission-room, Newcastle-upon-Tyne. Solicitors, Messrs. Shield and Harwood, Poultry.

William Smyth, Portsea, coach-master, Jan. 26, Feb. 23, at 12 o'clock, at the Royal Oak Inn, Portsea, Coach-master, Jan. 26, Feb. 23, at 12 o'clock, Tankruptan.

DIVIDENDS.

DIVIDENDS.

Peb. 2, J. Abernethie, Lothbury, merchant.—Peb. 2, J. K. Pickard, Russell. street, Corent-garden, white-lead-maker.—Peb. 4, G. Macey, Rose-street, Newgate-sarket, commission-cettle-salesman.—Peb. 6, J. Maclachlan and D. Macintyre, San-ceut, Corphill, merchants.—Peb. 3, M. Myers, St. Peter's-alley, Corphill, fabmonger.—Peb. 2, J. Greaves, Liverpool, merchant.—Peb. 15, T. H. Maude, White Birk, near Blackbarn, Lancashire, dyer.—Feb. 5, T. Turberville, Worcester, rocer.—Feb. 3, R. Veryard, Bristol, flax-dresser.—Feb. 9, E. Emerson and B. Fen. etc. Stella, Durham, and Newcastle-upon-Tyne, iron-founders.—Feb. 3, J. and L. Bradshaw, Lancaster, tallow-chandlers.—Feb. 3, E. Crick, Leanington Priors, Warwickshire, printer.—Feb. 9, J. M. Wood, Norwich, painter.

Warwickshire, printer.—Feb. 9, J. M. Wood, Norwich, painter.
 CERTIFICATES to be granted, unless cause be shown to the contrary, on or before Feb. 9.
 T. Griffiths, jun., Wellington street, Strand, bookseller.—T. Wariand, Stewardstreet, Spitalfields, silk-manufacturer.—H. Makepeace, Bristol, coach-maker.—E. C. Bessell, Edward-street, Portman-square, and Waterloo-place, Shepherd's bush, beiging-house-keeper.—G. Lillie and J. Patterson, Liverpool, merchants.—J. Farroy, Poulsy, Vorkshire, porter-merchant.—S. T. Probett, Derby, wholesale stations.—W. Rogers, Watford, Hertfordshire, cattle-salesman.

Friday, January 16, 1836,

Friday, January 16, 1836.

PARTKERSHIPS DISSOLVED.

8. Sedgwick and T. Quarrill, Paddington street, St. Mary-le-bone, patent lamp-manufacturers.—S. Hogsdesh and E. Hopwood, Charles-place, City-road, school-mistresses.—R. J. Fisher and J. H. Wagstaff, New Bond-street.—T. and H. Lloyd, Market Deeping, Lincolnshire, tea-dealers.—L. Walker and M. Laws, Edward-Stot, Cavendish-square, milliners.—J. Thomas and W. Major, Whitchapel-road, Stot, Cavendish-square, milliners.—J. Thomas and W. Major, Whitchapel-road, Pageous.—J. Hunt and W. Frott, Alfon, Hampshire, common. carriers.—T. Bowley and M. Hasilewood, Sunderland and Hartlepool, timber-merchants.—H. Delaware and E. Tolbutt, Romford, Essex, wine-merchants.—J. Holt and R. Kraestaw, Liverpool, ship bread bakers.—W. Strange and J. Harris, Abingdon, Berks, Wine-merchants.—E. and E. France, Honley, Yorkshire, plumbers.—W. Frior and E. Fichnell, Hastings, plumbers.—W. B. Paimer and J. Hadley, Birmingham, merchantstart, Milbank, mail-coach contractors.—W. Brooks and S. C. Walton, Hatles, Garden, Wolessale jewellers.—J. Farmer and D. Jones, Wolverhampton, fron-Bosgers.—J. Richardson and T. Stanford, Brownlow-street, Holborn, tailors.—T. Esckett and J. Platts, Trecton and Cateliffe-common, Yorkshire, gardeners.

INSOLVENT.

INSOLVENT

BANKRUPTCIES ANNULLED. Thomas Taylor, Steeple Ashton, Wilts, dealer.

BANKRUPTS.

William Harbridge, Claremont. news, Claremont. square, Middlesex, horse-dealer, to surrender Jan. 26, Feb. 26, at 11 o'clock, at the Bankrupts' Court. Solicitors, Meses, Abrahams and Robson, Clifford's-lan; official assignee, Mr. Groom, Abdarch lane.

30-lane. Erichsen and Alexander Burn Callender, Mincing-lane, corn-factors, Jan ch. 26, at 12 o'clock, at the Bankrupts' Court. Solicitors, Messrs. Smith and Coopers'-ball, Basinghall-street; official assignee, Mr. Edwards, Pancras.

nes Rowland Hyde Withers, Bristol, linen-draper, Jan. 26, at i o'clock, Feb. II, at the Bankrupts' Court, London. Solicators, Mr. Herbert, Lloyd, Cheapofficial assignee, Mr. Oddemžiš, Ironmonger-lane, London. Sam Williams, White Hart, White Hart street, Brury-lane, victualler, Jan. 30, 26, at 11 o'clock, at the Bankrupts' Court. Solicitors, Mr. Govett, Warden, Newgalts-street; official assignee, Mr. G. Glübson, Banighall street, 17 Hutchiason, Jerusalem Coffee-house, Cowper's-court, Cornhill, masterer, Jan. 26, Feb. 26, at 13 o'clock, at the Bankrupts' Court. Solicitors. Freeman and Bothamley, Coleman-street; official assignee, Mr. George, Aldermanbury.

Freeman and Bothamley, Coleman-street; official assignee, Mr. George Colemanbury, and Coleman-street; official assignee, Mr. George e Dolson, Hatton, Cheshire, groser; Feb. 2, 25, at i o'clock, at the Cla-Rooms, Liverpoel. Solicitors, Mr. Cole, Adelphi-terrace, London; Mr. 15, Warrington.

cost, Warrington, man John Stephenson and Isaac Grimsby Stephenson, Bridlington-quay, Mrc, wine and spirit merchants, Feb. 9, and 26, at twelve, at the Court of spicy, London. Attorneys, Messrs. Dyneicy, Coverdale, and Les, Gray's to Badd, Margate, grocer, Jan. 26, at twelve, and Feb. 26, at one, at the on Hotel, Margate. Attorneys, Mesars. Dering and Brocks, Margate; Mr. 8, Besex. Street, Strand, London.

Peb. 8, E. Cawley, Bridport, Dorsetshire, apholder, at one, at the Court of Bankruptcy. Peb. 8, W. Scamell, Tottenham-court-road, leather-seller, at twelve, at the Court of Bankruptcy. Peb. 8, R. Wilkinson, Copthall-buildings, account-ant, at eleven, at the Court of Bankruptcy. Peb. 10, R. Marshall, Newcastle-upon-Tyne, merchant, at twelve, at the Bankrupt Commission-room, Newcastle-upon-Tyne. Peb. 9, W. R. Poole and J. Hadley, Birmingham, linen-drapers, at twelve, at Radenhurst's New Royal Hotel, Birmingham, Peb. 8, E. Jones, Wetch Pool, Montgomery-shire, wine-merchant, &c., at twelve, at the Temporary Shire-hall, Shrewshury. Peb. 6, T. Cartwright and W. Langston, Wolverhampton, Staffordshire, factors, at one, at the Whiston Cross Inn, Whiston Cross, Salop, Peb. 11, W. H. Hughes, Portsmouth, Fruit-merchant, at one, at the office of Messrs. Callaway and Hellard, Portsmouth, Peb. 16, H. Downing, Smethwick, Staffordshire, ironmaster, at one, at the New Boyal Hotel, Birmingham.

CERTIFICATES to be granted, naless cause be shown to the contrary, on or

CERTIFICATES to be granted, noises cause be shown to the contrary, on or J. Greenway, Plymouth, merchant.—J. N. Dennis, Lisle-street, Leicester-square conchmaker.—W. Wade, Liverpoot, grocer.—W. H. Hughes, Portsmouth, fruit-merchant.—G. Maccy, Rose-street, Newgate-market, commission cattle and measurement.—J. Lewis, Coventry, draper and mercer.—J. Shayier, Blackman-street, Southwark, draper.

COMMERCIAL INTELLIGENCE.

COMMERCIAL INTELLIGENCE.

The Colonial markets this week have assumed a very dull appearance, particularly in British Plantation Sugars, in consequence of the large arrivals of Mauritus; and the public salse which have taken place of the same have caused the demand for West india from our refluers and grocers to become exceedingly model to Coffees was likewise undil and inaminate, but more particularly for the sort suitable for the home trade. La prices no actual reductions have been submitted to, but former rates have been with difficulty obtained.

SUGARS.—The demand for the grocery descriptions of raw Sugar have been submitted to, but former rates have been with difficulty obtained.

SUGARS.—The demand for the grocery descriptions of raw Sugar have been submitted higher prices. The salses of the week do not exceed 1799 hids, were sold, and itechned from 6ts. to 6s., good midding Demerars 6ss. to 6s., to which the carly lade week's prices were obtained. At public sals 9 hids, were sold, and itechned from 6ts. to 6ss., good midding Demerars 6ss. to 6ss., to 6ss., good midding Demerars 6ss. to 6ss., but for the carly lade the carly lade week's prices were obtained. At public sals 9 hids, were sold, and itechned from 6ts. to 6ss., good midding Demerars 6ss. to 6ss., but for the carly sale of the importers in britinging their produce to sale has caused the market to become dull, and prices are lower. At assetion 6, 828 bags were offered, part only of which found buyers, at a reclusion on Germer rates of the fold. His reported it ships are near at hand, a public sale will be a subject to 50 yer very sparingly. There are very few goods offering, sis, per cwt. for lumps to pass the standard has been given just per beautiful and the subject of the subj

CORN EXCHANGE, LONDON, JAN. 15.

The arrival of Wheat and Flour this week has been very moderate, and what few samples of Wheat were fresh up this morning were taken off on rather better terms. Banker also is a trifle dearcr. Oars, from the shortness of the supply, obtain somewhat better terms. All other articles fully support Monday's prices.

AVERAGE PRICE OF GRAIN, per Quarter.

Wheat Barley | Oats Bye Beans Peas 26s. 6d. 27s. sd. 18s. 7d. 27s. od. 33s. 4d. 24s 3d AGOREGATE AVERAGE FOR THE LAST SIX WEEKS.

56. 54. | 27s. 10d. | 15s. 5d. | 27s. 11d. | 34s. 2d. | 34s. 10d. 50s. 6d. | 19s. 10d. | 19s. 9d. | 25s. 9d. | 15s. 3d. | 19s. 3d. |
Duties on Grain from British Possessions out of Europe.

5s. 6d. | 2s. 6d. | 2s. 6d. | 3s. 6d. | 3s. 6d. | 3s. 6d. |

Scot. Irish B.Co.: For a I Eng. Wheat 6726 Rye 9261 Barley 5469 Malt 6957 Beans 2389 6736 34 2261 2139 15137 5469 70 6657 60 16 2399

SMITHFIELD, PRIDAY, JAN. 15.

The supply of linur being short, the salesmen ask prices as dear as on Mondo for the best qualities, and therefore we do not siter that day's figure of 4a, ad. Both Morrow and Vaat have also maintained Mondoy's terms, but the form scarcely so readily as the latter.—For Pouz 4a, 6d, is a fair quotation.

Beef ... To sink the offul per stone of sibs.

Beef ... 3s 6d 3s sd 4s sd | Veni... ... 6s 6d 3s 6d 3s 2d

Mutton ... 4s 6d | Perk... 4s 6d es 6d es 6d es 6d

Head of Cattle this day—Beaffs 45s, Sheep, 8,192, Calves, 165; Pigs, 192.

Head of Cattle on Monday—Beasts, 2,307; Sheep, 81,278, Calves, 163; Pigs, 225.

NEWGATE and LEADENHALL. -By the Carone. PRICE OF RAW FAT, per stone of 14th.

PRICE OF TALLOW, SOAP, &c. per 1121b.

. 40 0 Melting Stuff . 33 0 Mottled . 21 0 Curd dith
. - - Yellow Soap . - - Good Dre

PRICE OF CANDLES.

The price of good Store Candles, in the retail shops, is as follows—dores, 7s ed.; inferior, 6s ed.—Moulds, 9s 6d. Sixpence per dozen cash.

PRICES OF HAY AND STRAW, Jan. 14.

| CLOVER. | HAY. | 73a to 1000 a 50a to 300 a 1000 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700

Quebec Oak, 31 10s od to 61 0s od, Pinc Red, 41 12s 6d to d1 13s; Riga Fir, 51 10s od Dantzic and Menzel, 31 2s 6d to 51 7s d1

WOOL, per lb,
llanket, 11d to 18d—Combing 14d to 28d—Flannel, 14d to 18d—Flance Wools.—N
and S. Down Hoggets, is ad to is 16d—Half-bred, is ad to is 16d—Kent, is 7d to
is 4d—The Long Wool of Lincoln, Leicester, Warvick, from the grosser, is 4d to
is 6d—Foauror Wools.—Germany, Electoral, as 6d to be 9d—Lower Qualities,
25 nd to 28 6d—Australian, best, 28 dd to 48 6d—Inforior 68 16d to 16 6d—Van
Diemen's Land, clean, 28 ed to 28 8d.—Trade brisker.

Polled, 6s od to ss ed each—Kents, and half breds, as ed to 6s 6d—Poiled Lamb

PURCHASES OF ORE AT REDRUTH, January 7, 1836.

Purchasers:	Mine.	Fra	Tona.	Per Ten.	Amenut.	Total Amount
No. 2. EnglishCop per Comp.	Wheal Jewel Caru Brea Mines			#. s. d 4 19 0 6 16 6 8 11 0	103 19 0	d. s. d
:	Wheal Busy Whl. Providence	. 79	963	3 5 0	234 0 0 420 13 6	-1501 3
3. Finien &	Wheal Jewei	76		6 13 0	505 8 0 105 19 0	-
Sons.	1 "	63		4 4 0	264 12 0	1000
		57		8 7 0	304 19 0	
**	C	348		7 10 0 6 16 6	936 19 0	
	Carn Brea	96			936 19 6	14 4 00
**	Gt. W. Charlotte	79		4 7 0	343 13 0	
**	**	71		4 7 6	310 19 6	
**	Wheal Liberty .	76		9 19 0	224 4 0	
	West Tolgus	38		4 5 6	100 9 0	1
	Wheal Kitty		dyd	13 11 6	150 10 0	-9825 3 (
4 Manager	Wheat Inwel	19	1	2 10 0	00 0 0	
4. Freeman and Co.	Wheal Jewel	104		7 10 0	115 0 0	
		43		13 9 6	336 8 6	
	Fowey Consols	90		5 17 0	A79 3 0	
	Wheal Julia Whi. Beauchamp	7		6 16 0	104 0 0 40 0 6	
**	South Towas	91	-9974	1 17 6	81 7 6	-1651 10 6
			-			,,,,,
 P. Grenfell and Sons. 	Wheal Jewel Carn Brea	34		6 16 0	105 19 0 236 19 0	
unit Stones.	1	23		8 3 0		
**	Wheal Tolgus	75		7 11 0	505 5 0	ratio ou
**	**	22		10 0 0	583 9 0	
**		49	230	4 4 0	180 13 0	
6. Crown Cop-	Carn Brea	201		3 17 0	144 10 6	
per Co.	Whl. Beauchamp	25		6 11 6	46 0 6	
**	148	10		3 7 6	89 16 0	
**	Providence Mines	36	-1064	7 6 0	948 4 0	607 5 8
7. Nevill.	Wheal Trenwith	10		D 4 0	60 16 0	
7. Nevill, Sims, Druce,	Wheal Bury	46		1 10 0	87 H G	
and Co.	Trewavas	64		9 1 0	579 4 0	
**	Wheal Liberty	5.3		9 1 0	479 18 8	
**	Whi. Beauchamp	49		2 19 6	184 10 0	
**	Charlestown U.M.	14 -	-966	13 10 6	191 11 0	-1878 15 0
				11 0 6		
8. Williams,	Wheai Jewel	31		9 17 0	275 16 0	
Foster & Co.	- ::	19		7 10 0	90 0 0	
**	**	154		7 10 0	115	
	Carn Brea Mines	23		1 19 6	110 9 0	
**	**	46 304			90 17 0	
::		36		16 17 0	606 19 0	
	Powcy Consols	10			693 0 0	
	Gt. Wh. Charlotte	51		6 6 0	23 9 0	
		83			965 15 0	
**		404		14 15 0	597 7 6	
	Wheal Trenwith	79			951 4 6	
**	Charlestown U.M.	14	9634	13 16 6	193 11 0 -	ohus s 6
9. Benson,	Wheai Trenwith	34			196 ta a	
ogan, & Co.	Wheal Julia	64			140 19 0	
**	Wheal Montague		146	4 6 6 1	155 13 0 -	611 17 0
Geo. Wildes	Wheal Jewel	11			141 13 6	
& Co.	**	98		9 17 9 1	178 16 0	
		19		7 10 0 1	10 0 0	
**	Charge Manne	154			15 9 4	
		11	-	6 6 8 3	131 6 a	
	Levant	104		14 15 0 1	97 7 6 -	1859 14 8

CHARRY OF CORPER ORES AT SWANSEA Jan. 6 1890.

Perchasers.	Mins.	Tem	Total Total	For Ton.	Amount	Total Amount
No. 1. English Copper Co.	Tigrony	69 76 63	-196	#. s. d. 6 17 9 22 15 0 23 13 0	491 11 0 1598 19 0	-3451 0 0
2. P. Grenfell and Sons.	Arrietta Pertines.	16		3 6 0 96 13 6 12 11 6	186 4 0 013 8 0 31 8 0 126 6 0	
**	Hallymurtagh Allibies Connorres	95¢ 76- 13¢	-211 1-6	4 19 6 9 18 6 9 8 9	135 9 9 754 6 0	-1539 11 2
8. Novill, Sims, Druce, and Co.	Cronebane Tigrony Ballymortagh Connorree	23† 70 25¢ 43	101 5-6		199 17 8 449 0 0 198 6 8 114 5 0	
6. Florian and Some.	Ballymurtagh	134 61 61 60 83	m: 1.4		494 15 0 239 14 0 344 0 0 139 0 0	- 900 17 4 -1471 18 8
7. Williams, Poster, & Co.	Althora. Cromebane Cohra, per Evander Arcietta Portinen.	20.5	-154 1-4		**	Tone
4. Benous, Logue, & Co.	Cronebane	1	-01	::(Mi	· · · · · · ·
Gee. Wildes, and Co.	Cohre,per Evander	:	40		24	- ME P

ENGLISH PUBLIC FUNDS.

To the Arm Cont	Satur.	Mond.	Tuesd.	Wedn. 2149 14		
BANK STOCK, 8 per Cent	918 9	013 4 2	018 4 8	918 4	914 4	914
3 per Cent. Red. Anns	611	911 1 1	914 4	911		90 90
s per Cent. Consols	D.2 2	218 4 8			1004	100
34 per Cent. Anns 1818.	****	100 \$	1002 100	****	1002	100
9 per Cent. Anns 1796.					899	1.001 1
16 per Cont. Red. Anns	1004 4	100	1004 4		994 100	
New 34 per Cent. Anns	998 2	998 \$	991 1	992 4	998 \$	991 1
New 5 per Cent						15.11
Long Apps 1850.	16) 5-16		16 5-16		164 5-16	
Anna. for 30 Years 1859.	16 3-16	16 3-16			164 3-16	
Ditto	** *	16 1-16		15 15-16	14 15-10	****
Omnium	45 pm	48 5 pm	4 pm		****	
India Stock, 104 per Cent	****	253	2524	253	2092 2	252
South Sea Stock, 34 perCent.	****					103
Ditto, Old Ann. 3 per Cent.	****	****				****
Disto New Ann. 3 per Cent.	****	****		=		****
per Cent. Anns 1781.	****					
India Bonds, 24 per cent	8. 7 pm	5 7 pm	5 7 pm	6 pm	6 pm	4 6 pm
India Bonda, 24 per cent.	99 99 pm	93 91 pm	21 26 000	20 22 pm	19 26 pm	18 20 pm
Exchequer Bills, 14d. £1000.	20 22 pm	23 21 pm	91 90 pm	20 22 pm	19 20 pm	18 29 pm
Ditto £500.	20 22 pm	23 21 pm	21 90 pm	20 22 pm	19 21 pm	18 20 pm
Ditto Small.		39 21 hm	at as pan			
Ditto	23	008 8	929 # 3	928		****
per Cent. Cons. for Acc	922 # 21	928 8			2534	
India Stock Om. for Acc:	2584	****	2572	** **	2034	****

FOREIGN STOCKS.

	Satur.	Mond.	Tuesd.	Weda.	Thurs.	Frid.
Austrian, & per Cent	1111	****	1111	1012 3	102	
Belgian, 5 per Cent	1014	103	1012		842	85 843
Brazilian	842	****	85	****		
Ditto, 1829	****	****	****	****		
Buenos Ayres, 6 per Cent.	****	****	** *	****	****	
Cuba, 6 per Cent		****	** **	****	****	****
Chilian, 6 per Cent	461	****	****	****	454	****
Colombian, 6 per Cent		**** .	** **	****	271	33
Ditto, 1894, do	334 34	334 # 4	334 4	324 33	333 33	
Danish, 3 per Cent	****	****	****	****		****
Dutch, 34 per Cent		****	564	****		****
Greek, & per Cent	****	****		****	** **	****
Ditto, 1825, 5 per Cent		****	344 5	****	****	334
Mexican, a per Cent		378	****	****	****	27 6
Ditto, deferred, do		214	****			
Ditto, 1825, 6 per Cent	384	****	302 4 4	****	374 38	38
Ditto, def. do. 6 per Cent.						****
Neapolitan, 5 per Cent. 1824		****	****	***	****	****
Peruvian, 6 per Cent		26 4 6	97%	****	96	
Portuguese, 5 per Cent	****		****	****		****
Ditto, New, do	85 48 E	85 45 5	H4 3 5	H44 83\$	834 842	H44 1
Ditto, 3 per Cent	85 44	544 5	544	549 536	532 8	542 6 54
Prussian, 4 per Cent					****	****
Russian, 1822, 5 per Cent.	1002	1093	1002	1094		****
Spanish, 5 per Cent		****		****	****	****
Ditto, 1823, 5 per Cent				****		
Ditto, Consolidated	51 504 8	104 4 8	504 504	401	494	49# 50
Ditto, passive	164 4 4	164 4	164 164	154 16	158 16	162 4
Ditto, deferred	254 4 54	25 49 54	917 5	949 2	244 5 9	247
Dutch, 34 per Cent	554 5	654	554 5 4	554 4	554 549	55 554
Ditto, 5 per Cent	1034 3	1034 4	103	1034 103	103	1034
Neapolitan, 5 per Cent					****	** *
Spanish, 5 per Cent		****				****
spanish, a per Cent	****	****	****	1111	****	

FRENCH FUNDS.

			PARI			I LONDON.
Sper Cent. Ann	10sf.70c. 95f.524c. 25f.374c.	108f.65c. 25f.52åc. 25f.37åc.	108f.65c. 25f.52åc. 25f.35c.	108f.60c. 25f.524c.	25f.524c. 25f.374e.	Jan. 15. 109f. 50c. 28f. 60c.
4 per Cent Ann	99f.95c.					
3 per Cent		81f.20c.	81f. 15c.	81f.81c.	81f.20c.	II.
Bank Shares	9150f.	218of.	2150f.	2150f.	2155f.	

West India Compensation Loan. For £15,000,000. Contracted for on Monday, August 3, 1835, by Mr. N. M. Rothschild. £75, 3 per cent. consols; £75, 3 per cent. reduced; and 13s. 7d. long annuities, for every £100 sterling subscribed. Interest on the reduced and long annuities to commence from April, 1835; and on the Consols from July, 1835. Discount at the rate of 2 per cent. Beposit August 6, 1835, £10 per cent. sth Payment, April 12, 1836, £9 per cent. 2d Payment, Oct. 16, 10 9th May 10, 6

3d Payment, Oct. 16,	10	200				0		
3d , Nov. 13,	78	loth				5		
4th Dec. 11,	74	tith		. July	12	A		
5th Jan. 13, 1836,	10	12th		Aug.	16,	5		
6th . Feb. 9,	9	rath		. Sept.	13,	4		
7th Mar. 11,	9							
Capitals at the				ments are				
#780 Consols, # 665 Money.	Deposit,	£ 66 10	0	Remaining	payments,	£598	10	0
250 Reduced 225	**	33 10	0	**	**	202	10	0
#8. 15. 10Lg. an. 110	**		0	**	* *	99	0	0
negodka	1		_			NAME OF TAXABLE	-	
£1000	1	£100 0	0			£900	0	0

IRISH FUNDS, January 14, 1836.

Bank Stock 217 Government Debentures 34 per ct. 914 Ditto Stock 34 per ct. 914 Ditto New 34 per ct. 995 Ditto Ditto, reduced 4 per ct. 995 Consols 3 per ct. 914	Royal Canai Stock Patriotic Insurance	44
City Debentures 4 per ct. Exchequer Bills 3d per diem 30s	City of Dublin Steam Co.	1114

AMERICAN FUNDS.

	Lond. Amer		Lond.	Amer Dec.3
Redeemable.			1	Dec.a
New York 6 1837	104	Minnishippi 6 1841, 6, 51, 6		
1845	120	Do. New 6 1861, 66, 71.		1
\$ 1837	102	Alabams5 1859	1	ł
1848	110	1963		
1846, 7		Indiana 3 1860		1
1850		Illinois 6 1850		
	103	New Jersey Can. &c		
Pennsylva 1839 40, 41	10846			1
., 1840	1004			1
1850	1	INCORPORATED BANKS.	1	
1855, 4	1076			
1656	110	United States ? 1836	224	1110
Virginia 6 1844	1	Louisiana State 9 1870		1
5 1845, 51	1	B. of Louisiana # 1870	1	
		Bank of Orleans		
		N. Orleans, C. & B		1042
6 1870		City Bank		
Ohio 8 1850	1			103
5 1850		New York Life and Trust &	9.3	175
Louisiana 5 1839, 44, 49		Tenese Planters 9		109
1836, 43		Mississipl., 19		128
1644, 7, 50, 2.	102	Exchange	1	94

COUR	511	OI.	EAC	CH	MO
E RII	341	James		10	1835.

	Prices printed.		egociated hange.		Prices printed	Prices	negociaisi Change.
Amsterdam Ditto at Sight Rotterdam Antwerp Hamburgh Altona Paris, 2 days sight, Ditto Marseilles Trankfort on Mais.	95 75 26 5 26	19 6 18 4 19 6 13 13 13 13 95 60 95 67 95 90 1534	19 64 19 6 13 14 28 6a 23 934	Seville Gibraltar, p. A. d. Leghern. Genoa. Milan Venice, p. 6 d. L. Naples Palermo. Liebon Oporto	474 96 31 47 404 12202.	478 25 90 408 1224 556	478 93 929 403 123 504
Printfort on Main,	10	-	-	Rie Janeiro	37	374	-
Berlin, cur. dolf.	7	See See	10 101	Hahia	26		-
Vienna eff fe,	10 13	10 10	10 124	Bucnes Ayres		-	-
Trieste ditto	10 13	974	370	Cork		_	-
Madrid		874	37	Madras		-	
Bilbus.	1	87	-	Calcutta	-	7	-

GOLD AND SILVER.

PRICES OF SHARES.

		B	RI	TIS	MIN B	ES.				
No. of Sh.	Amount	pald	1.0	rice	No. of 5	h	Amount	wald.	pri	
8,000 Albi	on Copper	3	24	18		North Cornw Perran Consc			1.	- 11
4,000 11158	oe Bridge		128	3				- 1	lane.	
8,600 Brit	ish Tin	- 1	14	14		Polberon Con			124	
20,000 Brit	ish Iron	59	37	81		Polbreen		3	14	
6,000 Brit	ish Copper	34	54	52	5,900	Redmoor Co	nsolid.	24	45	
500 Carr	Grey	4	16	18	10,000	Redruth Unit	ted	24	14	
10,000 East	Cornwall Silver		34		10,000	Roche Rock		1	11	14
5,000 E. V	Vheal Brothers	-	6	-	5,000	South Wheal !	Leisure	2	2	
2,560 E.W	healStrawberry	24		10	8,000	St. Hilary				
2,850 Eng	lish	124		20		Treleigh		16	14	3
10,000 Hibe	rnian	10	3	4	5,000	Tavistock		3	23	*
6,000 Hay	le Consols	1	12	12	2,000	Wendron		5		74
2,000 Kerr	ow wo	1	3		3,300	West Cork		45	36	38
20,000 Min.	Com. of Ireland	7	41		5,000	Wheal Brothe	ers	20	24	
4,000 New	8. Hooe	1	14		.,					

•		FC	RE	EIG	N MI	NES.			
4,089 10,090	Alten Angio Mexican iss. £5. pm. Ditto Subscription	100 100 25	5		1,020	Mocanbas & Cocaes New Granada Penoles Ditto Subscription	3 12 14		17
10,000	Bolanos Brazii Imp., iss. 5 pm. Bolivar Copper Ditto Scrip	150 20 20 3	27 10	144 28 11	11,500	Real dei Monte, reg. Ditto anregistered Ditto New Ditto Loan Notes	45	194	20
10,000	Candonga Cata Branca Cobre Copper	78 64	76			Rio de Anori St. John d'el Rey .	1 8 40	7 51 33	
1,500	Colombian, iss. 5 pm Ditto New	9	114	10	5,000	Ditto Scrip Ditto Subscription Ditto New Scrip Un. Gold, iss. 24 pm.	9 5 71	22	24
6.155	Mexican Company	8.94	9	- 0					

		R	AILW	AYS.			
	Bolton and Leigh Ditto i Shares Bristol and Exeter	25		5,100 6,375	Liverpool & Manch Ditto Shares New Ditto	25 25	1
	Canterbu & Whitstable Cheltenham	100	78		London and Blackwall London and Greenw.	20	30 4
2,000	Clarence	100	50	25,000	London & Birminghm	45	105
	Cromford & Peak For.				London & Gravesend.	1	14 2
1,000	Croydon Dublin & Kingstown	60	24	45,000	London & Southamp. Lon. & Brighton, Gibbs'	15	13 1
	Durham Junction	10	1		Ditto (Stephenson's)		124
	Edinb. & Dalkeith Rail	50		3000	Newcastle and Carlisle		
	Forest of Dean	50	28		North Midland	5	93 4
	Grand Junction	40	87		Preston & Wigan	20	
	Great Western		17619		Preston and Wyre		1
	Hartlepool	100	80		Stanhope and Tyne	100	
2,100	Huli and Selby	5	52		Stockton & Darlington	100	240
	St. Helen's & Runc. Gap	100			South Eastern	2	2444
250	Kenyonand LeighJunc	100	1	5,390	Warrington & Newton	100	-
	Leeds and Seiby	100	120	-	Wigan Branch	100	1
1,500	Leices & Swannington	50	48				

CANALS.

1,760	Ashton & Oldham #97 18.	162	70	Loughborough £142	178.	
1,482	Ashby-de la-Zouch 113	65		Manch. Bolton & Bury	48	33
720	Barnsley 160	275	2,409	Monmouthshire	100	180
	Basingstoke 100	54	700	Montgomeryshire	100	100
1,005	Brecknock & Abergav, 150	85	250	Melton Mowbray	100	190
		257	500	Mersey and Irwell	100	580
4,000	Do.& Liverp. Junction 100	304		Macclesfield	100	56
477	Bolton and Bury 250		247	Neath	100	300
600	Bridgwater & Taunton 100	64		Nene Navigation Bds.	100	100
400	Chelmer & Blackwater 100	102		Oxford	100	600
500	Coventry 100			Oakham	130	36
460	Cromford 100	300	2,400	Peak Forest	78	106
	Croydon 31/. 28. 10d.			Portsmouth & Arundel	80	
11,810	Ditto Bonds		21,418	Regent's 233 16s.	8d.	154
2,0602	Dudley 100	764		Rochdale	85	112
		120	500	Shropshire	125	140
	Edinbro' & Glas. Un 50	20	800	Somerset Coal	150	160
	Ditto Allocated 96	65	45,000	Do. Lock Fund	124	12
3,5759	Ellesmere and Chester 133	85	700	Stafford & Worcester	140	690
20,000	Danube and Mayne 5	94	500	Shrewsbury	125	245
231		400	300	Stourbridge	145	220
1,297	Forth and Clyde 400 16s.	600	3,647	Strat on-Avon £79 9s.	Hd.	39
11,500	Grand Junction 100	2254	200	Stroudwater	150	525
2,8494	Grand Union 100	242	533	Swansea	100	215
1,521	Grand Surrey 100		3,762	Severn & Wye & Railw.	35	18
20,000	Do. (optional) Loan 100		1,300	Thames&Severn, black	100	30
3,096	Grand Western 100	20	1,150	Ditto, ditto red	100	35
600	Glamorgansh 172 13 4	280	2,6004	Trent & Mersey, 4 sh.	100	620
1,960	Gloucester & Berkley 100	15		Tavistock, (Mineral)	100	
	Do. (optional) Notes 60		8,149	Thames & Med. æ 19 58.	84.	2
	Grantham 150	202		Ditto, new		3
		30	1	Thames and Isis		
100	Kensington 100	10		. 1,0004 Warwick & Bir.	100	280
	Kennet & Avon 239 188.10d.	20 4		Warwick & Napton	100	220
1,6994	Lancaster 474	274		Worces.&Birming. £78	64.	83
2,8972	Leeds & Liverpool 100	530		Wilts & Berks & 0, 10s.	8d.	20
	Leicester 140	1		Wyrley & Essington	125	75
907	Leices. & Northamp 834	79	126	Wisbeach	105	45

	Liskeard& LooeUnion	25 25	1		Wey and Arun	
		DO	CK	S.		
498,667 1,038 3,238,310	& 10054 Commercial East India	100 Stock 582	1,	15,000 352,75 00,000	Folkestone Harbour Ditto Bonds	854 104
2,200	West India				Shoreham Harbour Deptford Pier Herne Bay Pier	22

ASSURANCE COMPANIES

2000	Albion	50	1764	4	Insur. Comp. of Scot. 16	11
50,000		10	114	2,030	Kent Fire 50	92
50,000	Ditto Marine	5	5.5	1	Ditto Life	79
24,000	Atlas	8	13 2	10,000	Law Life 10	26
12,003	Birmingham Fire	55	105	1	Liverp. Marine Assur. 25	21
20,000	British Fire	50	40	3,900	London Fire ex. div. 12	3 15
12,000	British Commercial	5	64	31,000	London Ship 12	115
	Caledonian Fire	10	13		North British 10	23
5,000	Cler. Med. & Gen. Life	24	34	1	Ocean 10	10
4,000	County	10	49	30,000		
10,000			6	250,000	Protector Fire 2	
200		250	313	2,600	Provident Life 10	19
	Edinburgh Life	10	14	100,000	Rock Life 2	64
2,971		20	33	689,220	Royal Exch. Stock ex. d.	19
50,000	Ditto new	2	1.0		Scottish Union 1	1
1,000,00	0 Globe Sto	ck.	151	1	Nun	31
20,000	Guardian	20	35	1	Union 20	1
	Hercules	10	11	6,000	University Life 5	5
40,000	Hope	8	65	50,000		
2,400	Imperial Fire	50	120	1	Westminster Life 1000	1
7,500		10	94		West of Scotland 10	9
13,458		104	154			1
	JOI	NT	STO	CK BA	NKS.	

301		010	CAN ASS	Tit M.O.		
Australasia"	35	(559 H	3,008	Lancaster		20
Hank of Scotland	834	2023	25,000	Liverpool	10	17
Bank of Birmingham .	10	113	50,000	Manch. & Liver. Dis.	15	22
Birmingham Bank	5	14 1	20,000	Manchester	20	354
British Linen Comp	100	240	20,000	National	10	144
Commercial	100	120	20,000	Nat. Bank of Ireland	10	13
Equitable Loan Comp.	9	10	10,000	National Provin. Eng.	25	25
Gloucestershire	8	11 4		North & Cent. B. of Eng.	10	118
Hampshire	8	10	20,000	Provincial B. of Ireland	25	454
Glasgow Union				Royal of Scotland	100	179
Hibernian	25	1 1		Western of Scotland 39		
Lundon & Westminster	15	1154 1				,
	Australasia* Bank of Scotland Bank of Birmingham Birmingham Bank British Linen Comp. Commercial Equitable Loan Comp. Gloucestershire Hampshire Glasgow Union Hibernian	Australasia* 33 Bank of Seotland 83 lank of Birmingham 10 Birmingham 10 Birmingham Bank 5 British Linen Comp. 100 Commercial 100 Equitable Lean Comp. 9 Giouesstershire 5 Hampshire 5 Glasgow Union 50 Hiberuian 25	Australasia*. 35 352 353 354 354 355	Australasia	Bank of Scotland	Australasia

GAS LIGHT AND COKE COMPANIES.

10,000	Alliance	1		1	Great Yarmouth	0	110
500		16	25	1	Greenw. Railway Gas	Ine.	1
600		95	-	10,000		50	424
5,000	British	16	218	95,000	Ditto Wonds	£100	
5,000	Ditto Provincial	10	224	1,200	Ipswich	10	1
944	Birmingham	2.0	105	600	Isle of Thanet	20	20
2,400	Birming. & Staffords.	50	00	9,350	Independent	30	50
Goo	Brentford	50	30	240	Leicester	50	1
4,250		90	40	-	beith Coal Gas	-	1
1,500	Brighton	20	1344	500		184.	310
750	Ditto New	18	19	-	Ditto New Gas & Coke		150
9,7171	Brighton, General	90	10		Ditto (New ditto)	6a	105
363	Carlisle	95	1.0	200	Maidstone	50	100
4,000	Continent, Consolid.	814	103	9,000		39	103
240	Canterbury	54	60		Portsea	-	6.3
	Chelmafasil	50	49		Poplar		laa
300	Cheffenham	30	78	1,000		90	da
1,000	City of London	100	100	490	Rochdale	13	1
1,000	Ditto new	- 60	116	4 000	South Metropolitan	14	3
800	Coventry	25	95	1,600	Sheffiehi		58
200	Derby	50	1	1,000	Shrewsbury	10	1
180	Dover	84		190	Ewansea	50	1
600	Dudley	-	914	4.000	United General er.die	45	2500
	Edinburgh Coal Gas	24	64	940	Warwick	58	30
	Edinbro' and Alloa	14	-	400	Wakefield	23	224
949	Exeter	34		714	Warrington	200	224
4.000	Equitable	40	-	12 000	Westmins, Chartered.	84	50
14,000	European	**	44	6 000	Ditto new	10	40
	Chargew	•	25		Tarmouth	18	0
			1				100

PRICES OF SHARES CONTINUED.

		"AIER	MOKE	10.
4,800 121	Birmingham Colchester	23 26 1	1500	N. Riv. Lond. B. W. An. Manchest. & Salford
	Cranton Hill East London Glasgow	25 100 131	1500	Portsea Island Portsm. & Farlington Ditto. new
4,500	Grand Junction Edinb. Joint Stock	41 51 1 25 33	1000	Vauxhall, late S. Lon. 100 West Middx 263 128. 94. York Buildings
2,060 399	Kent Liverpool Bootle	100 46 220 310	1360	York Buildings les
		BRID	CER	and the same of th

		4	00,000	Parto Promina	
		ROA	DS.		
300	Archw. & Kenti. Town Barking Commercial	30 10 100 224 100 90	499 2,393	Great Dover Street Highgate Arch £30 7s. 1	X

*****	DO. E. I. DOCK BIRNER	100 5	9 1		- 170
	LITER	ARY	INSTITU	TIONS.	339
1000 1500	Adelaide Gal. of Sci. Lon. with Bronze Tick London University	50 782 20 100 21	1	Russell King's College,	254 a
	10	Onn		100	

	mondon carreraty	100			
	M	(ISC)	ELL	ANEOUS.	
10,000 1,080 8,600 6,000 10,000 200,000	Anglo Mex. Mint Australian Agricultur Auction Mart. Brit. Rock&Pat. Salt. British Annuity Brit. Amer. LandComp. Canada Company. Upper Canada Loan. Carron Iron Company City Bonds, 4 per Ct. CentralAmerica(Land) Cov. Gar. Thea. Rent Drury Lane ditto Ditto Proprietors. Edin. & Leith Glass Edin. & Leith Glass	50 35 50 13 21 250 103 20 500 500	10 11 3445	2,300 Essex Marine Salt # 8 13,000 Gen. SteamNav. es. #. 12 Huds. Bay Stock ex. #. 2,000 Lon. Com. SaleRooms. 73 New Corn Exchange. New Brunswick (Land) 29 Mexican, &c 1 12,000 Pat. Purifyg. Sca Wat. 2 10,000 Rio Doce 2 2,754 Rever. Interest. Soci. 10 2,303 Ditto New 8 Shotts Iron Foundry. 34 4,000 Thames Tunnel. 16 10,000 Van Diemans Land 16	20 10

PRICES OF	. 31			S AT LIVERPOOL	
Visamool Coal Coa	12		d.		4.1
Liverpool Coal Gas	310	0			104 0 4
Liverpool New Gas and				Bank of Liverpool 10	20 1 0
Coke Company £100	150		0	Bank of Manchester 25	25 10 (
New Shares premium . 50	105		0	Manchester & Liverpool	
Liverp.& Har. W. Works	465		0		22
Bootle ditto	310		0	Com. Bank of Liverp. 10	15 10 6
Exchange Buildings	170		0	Liverp. Mar. Ass. Co. 25	18 .
Liverp.& Man. Railway 100			0	Oldh. G. Lt. & Waterw. 10	10 10
Ditto old quarters 25	56	10	0	Manch. F. & L. Ass. Co.10	
Ditto new quarters 25	56	5	0	Ocean Assurance Co. 10	11 6
Bolton and Leigh ditto 100	70	0	0	Northern and Central	
Ditto 25	17	10	0		19 15 4
Warrrington&Newt.do.100	161	0	0	Woodside, Birkenhead,	
Kenyon & Leigh do 100	110			and Liverpool Steam	1000
Wigan Branch ditto 100	107	- 0		Ferry Company 5	
Preston and Wigan North	1	-	-	Leeas & Manchester R. 5	6 15
Union Line ditto 40	44	0	0	Union Bank, Liverpool 10	14 8 0
St. Helens and Runcorn	1		-	North Midland Railw. 5	0 15 0
Gap ditto 100	26	0	0	Com. Bank of England 5	6
Leices. & Swanning. do. 50	55			Midland Counties do 2	
Stockton & Darling. do. 100			ő	Kelleweris Copper,	3 10 0
Manch. Bolton, & Bury	-0-		"		
Railway and Canal. 48	40	15	. 1	W. Tres. Tin Mine 1	3 10 0
Leeds & Selby Railw. 100	0		0		8 10 0
Grand Junction ditto 40	99				B 10 0
ton thice 40	. 99		-	Bullo, & Glasgow 3	3 10 0

PRI	CE	8	OF	METALS, &c.	
	2. 1		d. 1		
Copper, British, Cakes, ton	96	0	0	Tin in Bars	
Sheets 1b.	0		11	Grain Blocks 5 18	
Bottoms	0	1	0	Broken 5 10	
S. American		0	0	Banca bd cwt. 90	
Iron, British, Pigs	6 1	0.0	0	Straits	
Bars		0	0	Distant new how of one short	
Bolts and Rods		0	0	Plates, per box of 225 sheets 0 0	
	13 1	10	. 1	1 C 132 by 10 in 1 18	
		• •	° 1	1 X	
	10	0	. 1	1 X X 161 9 10	
Cargo at Caron		0	0	1XXX 182 lb. 2 t6 (
		0	0	IXXXX 203 3 3 1	
P.S.I		0	0	11. C 134 by 97 105 1 18 (
Swedish 13 10 to	14	0	0	11. X 133 9 9 1	
Lead, Britishton			_ 1	111. C 127 by 94 98 1 14 (
Figs 20 10 0 to :		v		111. A	į
Sheet milled fon			0 1	Sm. (SDC) 15 by 11. 167 3 0	į
		0	0	Did 18DX (200shts 188 3 4 4	į
	13	0	0	Dot. (SDXX) 200 3 19 6	į
6 to 12 1	13 1	0	0	SDXXX 230 3 10 6	
		0	0	SDXXXX 251 4 4 6	
White 1	1 65	0	0	. C 162 by 124 98 1 14 6	
Litharge	22 1	0	0 1	X 100 sheets 126 2 4	
Pig, Spanish ton	10 1	0	0	Dbl xx 147 2 6	١
Steel, Milan bd :	30	0	o l	/ XXX 168 . 9 13.	
		0	ă I	XXXX 180 218	
rin in Blocksewt.	A	0	ă	Taggers, 14 by 10., 450s 0 0	
In costs			-	106 fers, 14 by 10 4505 0 0 0	

Tin in Blocks | cet | 5 |
Ingots | 5 |
Wasters of No. I. C. No. I. X, and
all other sorts of Wasters 6s. per box
SPRITER | for
SHEATHING |
PLATING ORE | 68

COAL MARKET LONDON.

JANUARY, 1836.

QUALITY.					N.		QUALITY.		28		on.
Jan.							Jan.	n	IA	1544	150
Newcastle.					A.		Newcastle.				1. 4.
Adair's	18	6	16	6	18	6	Lanchester Stanbope Cy.	1	-	20 6	II.
Bensham	18	9	16	9	1		Newmarch	1	- 1	10 6	
Carrs Hartley			19	0			Perkins	110	0	10 5	1
Chester	19	6	19	0	18	9	Riddell's	1.0			22 6
East Percy	19	0	19	0			Walker	eı			М.
Hebburn Main	99	6	21	0	20	3	Waldridge	10			1
Holywell Main	21	0	21		31	0	Sunderland.		7		
Holywell Reins	18	0					Bell's Primrose		- 1	7 6	
Leaze's Main			16					9.1			1
Orde's Redheugh	18	0	18	0		- 1	W. E. Braddyll's Hetton				20 3
Pontop Windsor	19	0			19	0		23			-
Pitt's South Moor	-			0	18		Hetton	22		ra 6	
Picton	1.8	6	18	6	18	0	Lambton				29 1
Russell's High Main		1	18	3		-		29			-
South Hartley	19	0		1		- 1	Stewart's			19 6	ins 5
Tantield Moor	21	0	21	0	20	6	Hartlepool.	-	7		
West Hartley	20	0	20	0	20	0	W. E. Braddyll's Hetton	99	a		1
Willington		1			90		Stockton.	-	٦		
Wylam		- }	30	9	90	91	W. E. Adelaide		-1		21 9
W.E. Bewicke and Co	21	6	21	6		-1	Gordon		- 14	12 8	
Chilton		- 1	17	6		- 1		22	ol.		1
Carr and Co	20	3				- 1	Blythe, Scotch, Welsh,	-	7		1
Clark and Co				- 1	19	6	and Yorkshire.		- 1		
Gosforth	21	6	21	6	21	9	Stanley Main		- 14	16 8	
Hotspur	-	1		1	20	0	Sturge's Gawber Hall		1	2.0	16 4
Heaton		- 1	21	3		1	Thorpe's Gawber Hall		1	7 8	16 0
Hilda		3	91	0	20	9	Trancat		li	. 1	17 6
Killingworth									ľ		1.
						. 1	Priday 62 Vessels				

METEOROLOGICAL IOURNAL 1892 &

	METEOROLOGI	CAL SOCKA	1174 10000-0	
January.	Thermometer. Baromete	r. January.	Thermometer.	Barometer.
Thursd., 7	from 29 to 48 29,92 to 29	,88 Sunday 10	from 28 39	20.61 to 36.50
Friday . 8	29 41/39,88 39	.95 Monday 11	96 96	29,21 29,5
Saturday 9	23 34 39,94 39	,82 Tuesday 12	24 33	28,57 20,30
rain on the	g winds S.E. and S.W. of afternoon and evening of and toth. Rain fallen, 85	except the 19th the 7th and 11t	and 15th, gene h, and snow on	the evening
Edmontos	6.		CHARLES HYN	RY ADAMS.

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